

## Product Datasheet

### Mouse IFN-alpha / beta R2 Protein, His Tag (orb1087551)

|                             |                                                                                                                                                                                                                    |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>          | Mouse IFN-alpha / beta R2, His Tag is expressed from human 293 cells (HEK293). It contains AA Ser 22 - Ala 242 (Accession # O35664-1).                                                                             |
| <b>Reactivity</b>           | Mouse                                                                                                                                                                                                              |
| <b>Endotoxins</b>           | 1.0 EU per µg                                                                                                                                                                                                      |
| <b>Conjugation</b>          | Unconjugated                                                                                                                                                                                                       |
| <b>Target</b>               | IFN-alpha / beta R2                                                                                                                                                                                                |
| <b>Preservatives</b>        | PBS, pH7.4                                                                                                                                                                                                         |
| <b>Form/Appearance</b>      | Powder                                                                                                                                                                                                             |
| <b>Storage</b>              | -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20°C or lower.   |
| <b>Tag</b>                  | C-10×His                                                                                                                                                                                                           |
| <b>Note</b>                 | For research use only                                                                                                                                                                                              |
| <b>Application notes</b>    | This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 26.6 kDa. The protein migrates as 45-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.           |
| <b>Biologically Active?</b> | Yes                                                                                                                                                                                                                |
| <b>Biological Activity</b>  | Loaded Mouse IFN-alpha / beta R2, His Tag on NTA Biosensor, can bind Human IFN-alpha 2b Protein, Fc Tag with an affinity constant of 1.9 µM as determined in BLI assay (ForteBio Octet Red96e) (Routinely tested). |
| <b>Purity</b>               | 95%                                                                                                                                                                                                                |

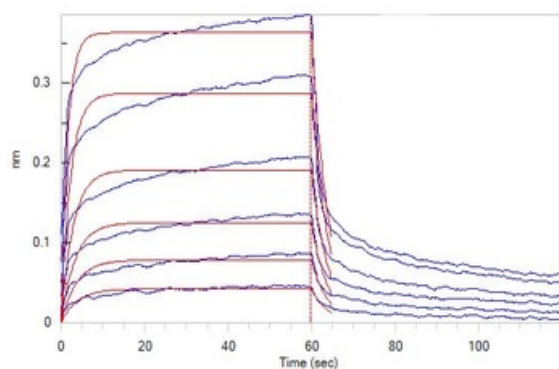
#### Biorbyt Ltd.

7 Signet Court, Swann's Road,  
Cambridge, CB5 8LA, United Kingdom  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

#### Biorbyt LLC.

68 TW Alexander Drive,  
Durham, NC, 27713, United States  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

|                        |                                                                                                                                                     |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Source</b>          | Mouse IFN-alpha / beta R2, His Tag (orb1087551) is expressed from human 293 cells (HEK293). It contains AA Ser 22 - Ala 242 (Accession # O35664-1). |
| <b>MW</b>              | 26.6 kDa                                                                                                                                            |
| <b>Uniprot ID</b>      | <b>O35664</b>                                                                                                                                       |
| <b>NCBI</b>            | <b>NP_034639.2</b>                                                                                                                                  |
| <b>Expiration Date</b> | 6 months from date of receipt.                                                                                                                      |



Loaded Mouse IFN-alpha / beta R2, His Tag (Cat. No. orb1087551) on NTA Biosensor, can bind Human IFN-alpha 2b Protein, Fc Tag with an affinity constant of 1.9  $\mu\text{M}$  as determined in BLI assay (ForteBio Octet Red96e) (Routinely tested).

**Biorbyt Ltd.**

7 Signet Court, Swann's Road,  
Cambridge, CB5 8LA, United Kingdom  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

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Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)