

Product Datasheet

Human IL12A protein (orb419321)

| | |
|-----------------------------|--|
| Description | Recombinant Human Interleukin-12 subunit alpha active |
| Endotoxins | Less than 1.0 EU/ μ g as determined by LAL method. |
| Preservatives | Lyophilized from a 0.2 μ m filtered PBS, pH 7.4 |
| Form/Appearance | Lyophilized powder |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Tag | Tag-Free |
| Note | For research use only |
| Application notes | Tag Info: NO-tagged Expression Region: 23-219aa&23-328aa Sequence Info: Partial |
| Protein Sequence | p35Subunit:RNLPVATPDPGMFPCLLHHSQNLRAVSNMLQKARQTLEFYPTCTSEEIDHEDI TKDKTSTVEACLPLELTKNESCLNSRETSFITNGSCLASRKTSFMMALCLSSIYEDLKMYQVE FKTMNAKLLMDPKRQIFLDQNMMLAVIDELMQALNFNSETVPQKSSLEEDFYKTKIKLCILLH AFRIRAVTIDRVMSYLNASp40Subunit:IWELKKDVYVVELDWYPDAPGEMVVLTCDTPEE DGITWTLTLDQSSEVLGSGKTLTIQVKEFGDAGQYTCHKGGEVLSHLLLLLHKKEDGIWSTDIL KDQKEPKNKTFRLRCEAKNYSGRFTCWWLTTISTDLTFSVKSSRGSSDPQGVTCGAATLSAE RVRGDNKEYEYSVEQCEDSACPAEESLPIEVMVDAVHKLKYENYSSFFIRDIIKPDPPKNL QLKPLKNSRQVEVSWEYPDTWSTPHSYFSLTFCVQVQVQKSKREKKDRVFTDKTSATVICRK NASISVRAQDRYSSSSWSEWASVPCS |
| Biologically Active? | Yes |
| Biological Activity | Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using PHA-activated human T lymphoblasts is less than 0.05 ng/ml, corresponding to a specific activity of \square 2.0 \times 10 ⁷ IU/mg. |
| Purity | > 95% as determined by SDS-PAGE and HPLC. |

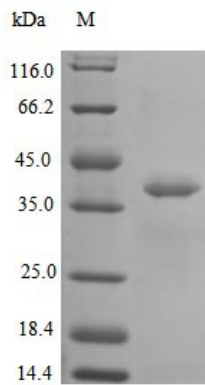
Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, 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, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

| | |
|------------------------|--|
| Source | Baculovirus |
| MW | 57.2 kDa. 75.0 kDa is the observed value of non-reducing gel, and the reducing gel is the size of p40 and p35 subunits, and 57.2 kDa is the theoretical value. |
| Uniprot ID | P29459 |
| Expiration Date | 6 months from date of receipt. |

**Biorbyt Ltd.**

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, 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, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)