

## Product Datasheet

### Human IL10 protein (Active) (orb358975)

<b>Description</b>	Recombinant human IL10 active protein
<b>Endotoxins</b>	Less than 1.0 EU/ $\mu$ g as determined by LAL method.
<b>Preservatives</b>	Lyophilized from a 0.2 $\mu$ m filtered PBS, pH 7.4
<b>Form/Appearance</b>	Lyophilized powder
<b>Storage</b>	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.
<b>Tag</b>	Tag-Free
<b>Note</b>	For research use only
<b>Application notes</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Protein Sequence</b>	SPGQGTQSENSCTHFPGNLPMRLRDLRDAFSRVKTFQMKDQLDNLKESLLEDFKGYLG CQALSEMIQFYLEEVMPPQAENQDPDIKAHVNSLGENLKLRLRLRRCHRFLPCENKSKAVE QVKNAFNKLQEKGIYKAMSEFDIFINYIEAYMTMKIRN
<b>Biologically Active?</b>	Yes
<b>Biological Activity</b>	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine MC/9-2 cells is less than 1 ng/ml, corresponding to a specific activity of $\square$ 1.0 $\times$ 10 <sup>6</sup> IU/mg.
<b>Purity</b>	> 95% as determined by SDS-PAGE and HPLC.
<b>Source</b>	E.Coli

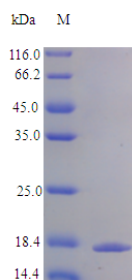
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<b>MW</b>	18.6 kDa
<b>Uniprot ID</b>	<b>P22301</b>
<b>Expiration Date</b>	6 months from date of receipt.

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