

Product Datasheet

Human IL6 protein (Active) (orb358972)

Description	Recombinant human IL6 active protein
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	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.
Protein Sequence	VPPGEDSKDVAAPHRQPLTSSERIDKQIRYILDGISALRKETCNKSNMCESSKEALAENN LNLPKMAEKDGCQSGFNEETCLVKIITGLLEFEVYLEYLQNRFFESSEEQARAVQMSTKV LIQFLQKKAKNLDAITTPDPTTNASLLTKLQAQNQWLQDMTTHLILRSFKEFLQSSLRAL RQM
Biologically Active?	Yes
Biological Activity	Assay #1: Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using IL-6-dependent murine 7TD1 cells is less than 0.1 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^7$ IU/mg. Assay #2: Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using IL-6-dependent murine T1165 cells is less than 0.8 ng/ml, corresponding to a specific activity of $> 1.25 \times 10^6$ IU/mg.

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Purity	> 96% as determined by SDS-PAGE and HPLC.
Source	E.Coli
MW	20.7 kDa
Uniprot ID	P05231
Expiration Date	6 months from date of receipt.

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