

Product Datasheet

Human IL12A protein (orb419321)

Description	Recombinant Human Interleukin-12 subunit alpha active
Endotoxins	Less than 1.0 EU/μg as determined by LAL method.
Preservatives	Lyophilized from a 0.2 μm 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 FKTMNAKLLMDPKRQIFLDQNMLAVIDELMQALNFNSETVPQKSSLEEDFYKTKIKLCILLH AFRIRAVTIDRVMSYLNASp40Subunit:IWELKKDVYVVELDWYPDAPGEMVVLTCDTPEE DGITWTLDQSSEVLGSGKTLTIQVKEFGDAGQYTCHKGGEVLSHLLLLHKKEDGIWSTDIL KDQKEPKNKTFRLRCEAKNYSGRFTCWWLTTISTDLTFSVKSSRGSSDPQGVTCGAATLSAE RVRGDNKEYEYSVEQCEDSACPAAEESLPIEVMVDAVHKLKYENYSSFFIRDIIKPDPPKLN 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.

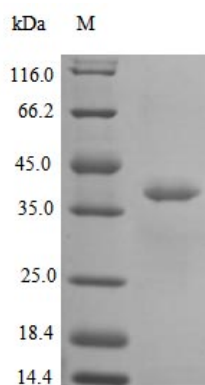
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Source	Baculovirus
MW	57.2 kDa. 75.0 kDa is the observed value of non-reducing gel, and the reducing glue is the size of p40 and p35 subunits, and 57.2 kDa is the theoretical value.
Uniprot ID	P29459
Expiration Date	6 months from date of receipt.



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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