

## Interleukin-12 Mouse Recombinant

<b>Item Number</b>	rAP-0514
<b>Synonyms</b>	NKSF, CTL maturation factor (TCMF), Cytotoxic lymphocyte maturation factor (CLMF), TSF, Edodekin-alpha, IL-12.
<b>Description</b>	Interleukin-12 Mouse Recombinant produced in Sf9 insect cells is a glycosylated disulfide linked heterodimeric polypeptide containing 506 amino acids and having a molecular weight of 75 kDa comprised of disulfide-bonded 35 kDa (p35) and 40 kDa (p40) subunits. The IL-12 is purified by proprietary chromatographic
<b>Uniprot Accession Number</b>	
<b>Amino Acid Sequence</b>	p35 Subunit: RVIPVSGPAR CLSQSRNLLK TTDDMVKTAR EKLKHYSC TA EDIDHEDITR DQTSTLKTCL PLELHKNE SC LATRETSSTT RGSCLPPQKT SLMMTLCLGS IYEDLKMYQT EFQAINAALQ NHHHQQIILD KGMLVAIDEL MQSLNHNGET LRQKPPVGEA DPYRVKMKLC ILLHAFSTRV VTINRVMGYL SSA.p40 Subunit: MWELEKDYYV VEVDWTPDAP GETVNLCDT PEEDDITWTS DQRHGVIGSG KTLTITVKEF LDAGQYTCHK GGETLSHSHL LLHKKENGIW STEILKNFKN KTFKCEAPN YSGRFTCSWL VQRN-
<b>Source</b>	HEK-293 Cells.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized mouse IL-12 although stable at room temperature for 3 weeks, should be stored below -18°C. Upon reconstitution IL12 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	The protein was lyophilized from 0.5xPBS, pH 7.5. Greater than 95% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized murine IL12 in sterile distilled pyrogen free water at 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	IL-12 Mouse has full biological activity when compared to standards. The ED50 is determined by the dose-dependent induced expression of CD25 on CD8+ mouse T cells is 10-20 ng/ml corresponding to a specific activity of 50,000-100,000 units/mg.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**