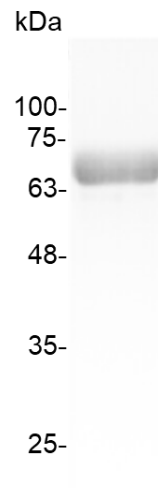


PRODUCT INFORMATION

IL-12 p70 (Interleukin-12 p70), Human
(mammalian cell expression)

v. 231001

Catalog number	C01178-5UG / C01178-20UG / C01178-100UG
Package	5 µg / 20 µg / 100 µg
Description	Active IL-12 is a p70 disulfide-linked dimer composed of p35 and p40 subunits. The protein is a pleiotropic cytokine produced primarily by antigen presenting cells and has multiple effects on T lymphocytes and natural killer cells in terms of stimulating cytotoxicity, proliferation, production of other cytokines and Th1 subset differentiation.
Source	HEK293
Sequence	<p>IWELKKD VYVVELDWYPDAPGEMVVLTCDTPEEDGITWTL DQSSEVLGSGKTL TIQVKEFGDAGQYTCHKGGEVLSHSLLLLHKKEDGIWSTDILKDQKEPKNKTF L RCEAKNYSGRFTCWWLTTISTDLTFSVKSSRGSSDPQGVTCGAATLSAERVR GDNKEYEYSVEQCQEDSACPAAEESLPIEVMVDAVHKLKYENYSSFFIRDIKPD PPKNLQLKPLKNSRQVEVSWEYPDTWSTPHSYFSLTFCVQVQVGKSKREKKDR VFTDKTSATVICRKNASISVRAQDRYSSSWSEWASVPCSGSTSGSGKPGSG EGSTKGRNLPVATPDPGMFPLHHSQNLLRAVSNMLQKARQTLEFYPTSEEI DHEDITKDKTSTVEACLPLELTKNESCLNSRETSFITNGSCLASRKTSFMMALCL SSIYEDLKMYQVEFKTMNAKLLMDPKRQIFLDQNMLAVIDELMQALNFNSETVP QKSSLEEPDFYKTKIKLCILLHAFRIRAVTIDRVMSYLNASHHHHHH</p>
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce IFN gamma secretion in PHA-activated human peripheral blood lymphocytes (PBMC). The ED ₅₀ for this effect is 0.05-0.2 ng/mL.
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Stability & Storage	<p>This product is stable after storage at:</p> <ul style="list-style-type: none"> -20°C for 12 months in lyophilized state from date of receipt. -20°C or -80°C for 1 month under sterile conditions after reconstitution. <p>Avoid repeated freeze/thaw cycles.</p>



SDS-PAGE analysis of recombinant human IL-12 p70

For research use only.