

Interleukin-6 Recombinant Human, CHO

Item Number	rAP-0552
Synonyms	IFN-b2, B cell differentiation factor, BCDF, BSF-2, HPGF, HSF, MGI-2, B-cell stimulatory factor 2, Interferon beta-2, Hybridoma growth factor, CTL differentiation factor, CDF, IL-6, HGF.
Description	Interleukin-6 Human Recombinant produced in CHO is a 21-23kDa single, glycosylated polypeptide chain containing 183 amino acids.
Uniprot Accession Number	P05231
Amino Acid Sequence	VPPGEDSKDVAAPHRQPLTSSERIDKQIRYILDGISALRKETCNKSNMCESS- KEALAENNLNLPKMAEKDGCFSQSGFNEETCLVKITGLLEFEVYLEYLQNRFSSEEQARAVQMSTKVLIQF LQKKAKNLDAITTPDPTTNASLLTKLQAQNWQLQDMTTHLILRSFKEFLQSSLRALRQM
Source	Chinese Hamster Ovarian Cells.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	IL-6 is a sterile filtered (0.22µm) solution (0.22mg/ml) in 20mM Tris-HCl buffer pH 7.2. Greater than 95.0% as determined by analysis by SDS-PAGE.
Application	
Solubility	
Biological Activity	ED50 < 1 ng/ml. The activity was determined by the dose dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line).
Shipping Format and Condition	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**