

Animal, Bacterial & Viral Free - Low Endotoxin - Ultra Pure - High BioActivity
IL3

Recombinant Human Interleukin-3 HQ tagged

Catalog No.	CRI258A CRI258B CRI258C CRI258D	Quantity:	10 µg 50 µg 1 mg 100 µg
Alternate Names:	MCGF		
Description:	Recombinant human IL3 is a globular protein consisting of 133 amino acid residues and a 16 aa HQ tag. Total length is 149 aa.		
Gene ID:	3562		
Source:	<i>Hordeum vulgare</i> (barley grain). Barley grain exhibits up to 50 times less protease activity than <i>E. coli</i> or mammalian cells. Barley seed is void of any human or animal viral contaminants, which is ideal for cell culture and <i>in vitro</i> and <i>in vivo</i> biological experiments.		
Molecular Weight:	17.2 kDa. The glycosylated protein migrates with an apparent MW = 22 kDa in SDS-PAGE.		
Formulation:	Lyophilized from a 0.2 µm sterile filtered solution of PBS, pH 7.2.		
Purity:	>95% by SDS-PAGE. Purified product carries no pyrogenic or pro-inflammatory contaminants, as assayed with monocyte activation test using custom human Multiplex Cytokine Assay measuring IL-6, TNF-alpha and IL-1beta induction.		
Endotoxin Level:	< 0.005 ng per µg of product (0.05 EU/µg) as measured by turbidimetric kinetic assay.		
Biological Activity:	Bioactivity is assayed by measuring the dose dependent effect of human IL3 on proliferation of TF-1 cells. The ED ₅₀ for this batch of recombinant human IL3 is 0.97 ng/ml.		
Specific Activity:	1.03 x 10 ⁶ units/mg		
Reconstitution:	Centrifuge vial prior to opening. First add sterile distilled water to the vial to fully solubilize the protein to a concentration not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.		
Storage & Stability:	The lyophilized protein, though stable at room temperature for two weeks, is best stored at -20°C. Reconstituted protein should be used immediately or stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

