

Animal, Bacterial & Viral Free - Low Endotoxin - Ultra Pure - High BioActivity
IL4

Recombinant Human Interleukin-4 HQ Tagged

Catalog No.	CRI252A CRI252B CRI252C CRI252D	Quantity:	10 µg 50 µg 1 mg 100 µg
Alternate Names:	Interleukin-4, BCGF-1, BSF-1, HCGF, IgG1, MCGF-2, MFF, TCGF-2 , IL-4		
Gene ID:	3565		
Description:	Recombinant human Interleukin 4 contains 130 amino acids and a 16 amino acid Histidine/Glutamine-based tag for a total length of 146 amino acids.		
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 that could jeopardize cell culture.		
Molecular Weight:	17.2 kDa		
Formulation:	Lyophilized from a 0.2 µm sterile filtered solution in 30 mM Sodium Acetate + 0.7 M NaCl pH5.3		
Purity:	>95% by SDS PAGE		
Endotoxin Level:	< 0.005 ng/µg of IL4		
Biological Activity:	Determined by the cell proliferation assay for IL4 for dose- dependent cell proliferation of human TF-1 cells. The ED ₅₀ range is 0.8-1.2 ng/mL.		
Specific Activity:	1.2-0.8 x 10 ⁶ U/mg		
Reconstitution:	Centrifuge vial prior to opening. Add sterile low salt buffer to the vial to fully solubilize the protein to a concentration not less than 100 µg/ml.		
Storage & Stability:	Although stable at room temperature for several weeks, lyophilized protein is best stored at -20°C. Store reconstituted protein in working aliquots at -20°C with a carrier protein (0.1% HSA or BSA) as a stabilizer for long term storage. Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.		

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



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