

Product datasheet for DA3545X

Interleukin-3 / IL3 Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Interleukin-3 / IL3 human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MAPMTQTTPL KTSWVNCNSM IDEIITHLKQ PPLPLLDFFN LNGEDQDILM ENNLRRPNLE AFNRAVKSLQ NASAIESILK NLLPCLPLAT AAPTRHPIHI KDGDWNEFRR KLTFYKLTLE NAQAQQTLS LAIF N-terminal Sequence: MAPMTQT
Predicted MW:	15 kDa
Purity:	>98% pure by SDS-PAGE & silver stain
Buffer:	Presentation State: Purified State: Lyophilized purified protein Buffer System: PBS Stabilizer: None
Bioactivity:	Biological: Recombinant human IL-3 is fully biologically active when compared to standards. The ED50 as determined by the dose-dependent stimulation of the proliferation of TF-1 cells is < 0.1-0.5 ng/ml. Specific: 1 x 10 ⁷ units/mg
Endotoxin:	< 0.1 ng per µg (IEU/µg) of rh IL-3.
Reconstitution Method:	Restore in water to a concentration not less than of 0.1 mg/ml. This solution can be diluted into other buffered solutions or stored at -20°C for future use. For most in vitro applications, IL-3 exerts its biological activity in the concentration range of 0.1 to 1.0 ng/ml.
Preparation:	Lyophilized purified protein
Protein Description:	Recombinant Human IL-3 produced in <i>E. coli</i> is a 15.0 kDa globular protein containing 133 amino acid residues.
Note:	Centrifuge vial before opening!



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Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000579
Locus ID:	3562
UniProt ID:	P08700
Cytogenetics:	5q31.1
Synonyms:	IL-3; MCGF; MULTI-CSF
Summary:	The protein encoded by this gene is a potent growth promoting cytokine. This cytokine is capable of supporting the proliferation of a broad range of hematopoietic cell types. It is involved in a variety of cell activities such as cell growth, differentiation and apoptosis. This cytokine has been shown to also possess neurotrophic activity, and it may be associated with neurologic disorders. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Apoptosis, Asthma, Cytokine-cytokine receptor interaction, Fc epsilon RI signaling pathway, Hematopoietic cell lineage, Jak-STAT signaling pathway

Product images:

