

Product datasheet for **TP723764**

IL3 (NM_000588) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human interleukin 3 (colony-stimulating factor, multiple) (IL3)
Species:	Human
Expression Host:	Sf9
Expression cDNA Clone or AA Sequence:	Human IL-3, the region of Ala20-Phe152, from gene Accession# NM_000588
Tag:	Tag Free
Predicted MW:	15 kDa
Concentration:	lot specific
Purity:	>98%, as determined by Coomassie stained SDS-PAGE.
Buffer:	20 mM NaH ₂ PO ₄ , 0.30 M NaCl, pH 6.0
Bioactivity:	The ED ₅₀ is 0.10 - 0.30 ng/ml, corresponding to a specific activity of 0.33 - 1.0 x 10 ⁷ units/mg, determined by the dose dependent stimulation of TF-1 cell proliferation assay. Under this assay the bioactivity is equivalent to competit
Endotoxin:	Less than 0.01 ng per µg protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
RefSeq:	NP_000579
Locus ID:	3562
UniProt ID:	P08700
RefSeq Size:	924
Cytogenetics:	5q31.1
RefSeq ORF:	456
Synonyms:	IL-3; MCGF; MULTI-CSF



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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