

Product datasheet for **TP723223**

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:	E. coli
Expression cDNA Clone or AA Sequence:	APMTQTTSLK TSWVNCNMI DEIITHLKQP PLPLDFNNL NGEDQDILME NNLRRPNLEA FNRAVKSLQN ASAIESILKN LLPCLPLATA APTRHPIHIK DGDWNEFRRK LTFYKLTLEN AQAQQTTLSL AIF
Tag:	Tag Free
Predicted MW:	15 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	ED50 as determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is less than or equal to 0.1 ng/ml, corresponding to a specific activity of > 1 x 10 ⁷ units/mg.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
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

Product images: