

Product datasheet for **AR09049PU-L**

Interleukin-3 / IL3 (20-152, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Interleukin-3 / IL3 (20-152, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MAPMTQTSL KTSWVNCNSM IDEIITHLKQ PPLPLDFNN LNGEDQDILM ENNLRPNLE AFNRAVKSLQ NASAIESILK NLLPCLPLAT AAPTRHPIHI KDGWNEFRR KLTFYLKTL NAQAQQTLS LAIF
Tag:	His-tag
Predicted MW:	17.3 kDa
Concentration:	lot specific
Purity:	>90% pure by SDS PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris pH 8.0, 0.2 mM PMSF, 10% glycerol
Bioactivity:	Biological: The ED50 for this effect is <0.53 ng/ml . Measured in a cell proliferation assay using TF1 human erythroleukemic cells. Activity Assay Cell line: TF1 (human erythroleukemic cell). Maintenance Condition: 10% FBS RPMI 1640 with GM-CSF. Assay medium - 10% FBS RPMI 1640 without Gm-CSF. Cell density: 2 x 10,000 cells/well (96 well plate, final volume 100ul). Starvation: 24hr, Assay medium. Incubation time: 24 hr (after sample treatment). Concentration range: 0.048 ng/ml - 25 ng/ml. Detection method: MTT assay.
Preparation:	Liquid purified protein
Protein Description:	Recombinant human IL-3, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography after refolding of the isolated inclusion bodies in a redox buffer.



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Storage:	Store (in aliquots) at -20°C. 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: