

IL-3 Recombinant Protein | IL3 recombinant protein

Recombinant Rat IL-3 Protein

CATALOG #
AAA283367

HOST
HEK293 cells

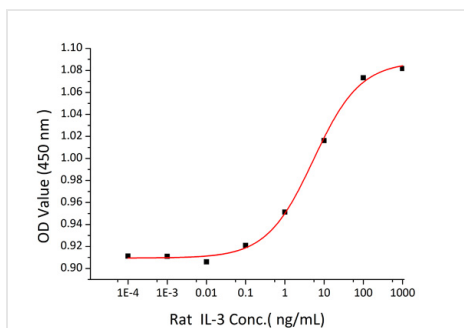
PRODUCT SYNONYMS

IL-3; Recombinant Rat IL-3 Protein; IL-3;IL3; IL3 recombinant protein

PRODUCT SPECIFICATIONS

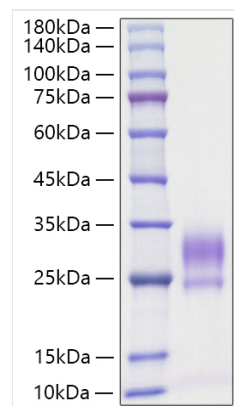
Host	HEK293 cells
Purity/Purification	>97% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH7.4.
Sequence	ISDRGSDAHH LLRTLDCRTI ALEILVKLPY PQVSGLNNSD DKANLRNSTL RRVNLDEFLK SQEEFDSQDT TDIKSKLQKL KCCIPAAASD SVLPGVYNKD LDDFKKKLRF YVIHLKDLQP VSVSRPPQPT SSSDNFRPMT VEC
Species	Rat
Tag	C-His
Endotoxin	<0.1EU/ug
Bio-Activity	Measured in a cell proliferation assay using NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED ₅₀ for this effect is 2.6?10.6ng/mL, corresponding to a specific activity of 9.4×10 ⁴ ~3.85×10 ⁵ units/mg.
Preparation and Storage	Store at -20 degree C. Store the lyophilized protein at -20 degree C to -80 degree C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.

IMAGES



Application Data

Recombinant Rat IL-3 stimulates cell proliferation of the NFS_x005f;60 mouse myelogenous leukemia lymphoblast cells. The ED₅₀ for this effect is 2.6?10.6 ng/mL, corresponding to a specific activity of 9.4×10⁴~3.85×10⁵ units/mg.



SDS-PAGE

Recombinant Rat IL-3 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 25-35 kDa.

ADDITIONAL INFORMATION

Related Product Information for IL3 recombinant protein	IL3 (interleukin 3), also known as IL-3, is a potent growth-promoting cytokine that belongs to the IL-3 family. IL3/IL-3 also belongs to the group of interleukins. Interleukins are produced by a wide variety of body cells. The function of the immune system depends in a large part on interleukins, and rare deficiencies of a number of them have been described, all featuring autoimmune diseases or immune deficiency. The majority of interleukins are synthesized by helper CD4+ T lymphocytes, as well as through monocytes, macrophages, and endothelial cells. They promote the development and differentiation of T, B, and hematopoietic cells. IL3/IL-3 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. IL3/IL-3 has been shown to also possess neurotrophic activity, and it may be associated with neurologic disorders.
Product Categories/Family for IL3 recombinant protein	Cytokines & Cytokine receptors; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	13928694
NCBI GeneID	24495
NCBI Accession #	NP_113701.1
NCBI GenBank Nucleotide #	NM_031513.1
UniProt Accession #	P97688; P04823
UniProt Protein Name	Interleukin-3
UniProt Gene Name	IL3
UniProt Synonym Gene Names	IL-3
UniProt Entry Name	P97688_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/il3-recombinant-protein-hek293-cells/283367>