

IL-3 active protein

Active Recombinant Human IL-3 Protein

CATALOG #
AAA282477

HOST
HEK293 cells

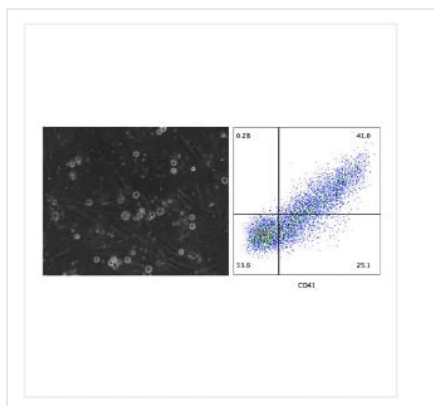
PRODUCT SYNONYMS

IL-3; Active Recombinant Human IL-3 Protein; IL3; MCGF; MULTI-CSF; IL-3 active protein

PRODUCT SPECIFICATIONS

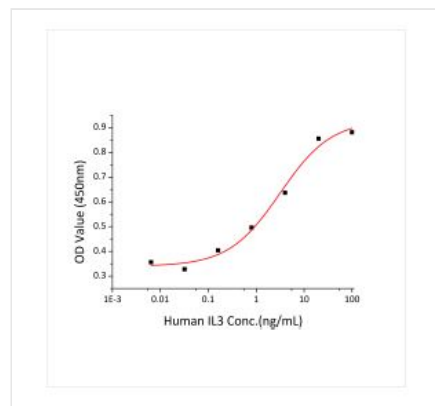
Host	HEK293 cells
Purity/Purification	> 95% by SDS-PAGE.
Form/Format	Liquid Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Species	Human
Endotoxin	< 1 EU/ug of the protein by LAL method.
Tag	C-His
Bioactivity	1. Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is 1.5-6 ng/mL. 2. Recombinant Human TPO(50 ng/mL), IL-3(15 ng/mL), IL-6(15 ng/mL) and IL-11(15 ng/mL) induce hematopoietic stem and progenitor cells to differentiate into megakaryocytes. After 6 days, the induction of CD41/42+ megakaryocytes was successful.
Preparation and Storage	Store the lyophilized protein at -20 to -80 degree C for 12 months. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week. Avoid repeated freeze/thaw cycles. Ship: Ice Pack

IMAGES



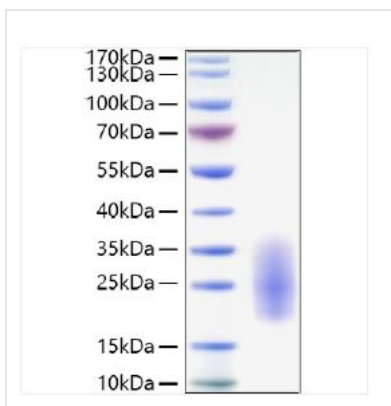
Application Data

Recombinant Human TPO(50 ng/mL) , IL-3(15 ng/mL), IL-6(15 ng/mL) and IL-11(15 ng/mL) induce hematopoietic stem and progenitor cells to differentiate into megakaryocytes. After 6 days, the induction of CD41/42+ megakaryocytes was successful.(Customer feedback data



Application Data

Recombinant Human IL3 promotes the proliferation of TF 1 human erythroleukemic cells. The ED50 for this effect is 1.5-6ng/mL.



SDS-PAGE

Active Recombinant Human IL-3 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 20-35kDa.

ADDITIONAL INFORMATION

Related Product Information for IL-3 active protein	Active Recombinant Human IL-3 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala20-Phe152) of human interleukin-3/IL-3 (Accession #NP_000579.2) fused with a 6×His tag at the C-terminus.
Product Categories/Family for IL-3 active protein	Interleukin ; Cell Culture related

NCBI AND UNIPROT INFORMATION

NCBI GI #	3002475
NCBI GeneID	3562
UniProt Accession #	P08700 ; Q6GS87
Molecular Weight	17,233 Da
NCBI Official Full Name	IL-3
NCBI Official Synonym Full Names	interleukin 3 (colony-stimulating factor, multiple)
NCBI Official Symbol	IL3
NCBI Official Synonym Symbols	IL-3; MCGF; MULTI-CSF
NCBI Protein Information	interleukin-3; mast cell growth factor; mast-cell growth factor; P-cell stimulating factor; P-cell-stimulating factor; hematopoietic growth factor; multilineage-colony-stimulating factor; multipotential colony-stimulating factor
UniProt Protein Name	Interleukin-3
UniProt Gene Name	IL3
UniProt Synonym Gene Names	IL-3; MCGF
UniProt Entry Name	IL3_HUMAN

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://www.aaabiotech.com/hek293-active-protein/il-3/282477>