

IL-5 recombinant protein

Recombinant Rat IL-5 Protein

CATALOG #
AAA283407

HOST
HEK293 cells

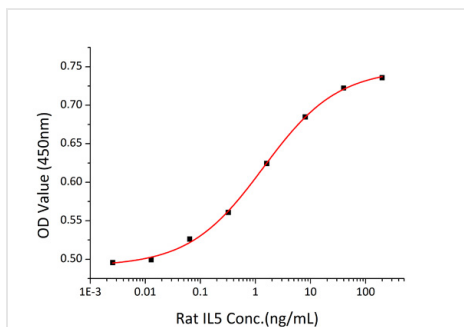
PRODUCT SYNONYMS

IL-5; Recombinant Rat IL-5 Protein; Interleukin-5; B-cell growth factor II; BCGF-II; Cytotoxic T-lymphocyte inducer; Eosinophil differentiation factor; T-cell replacing factor; TRF; II5; IL-5; IL-5 recombinant protein

PRODUCT SPECIFICATIONS

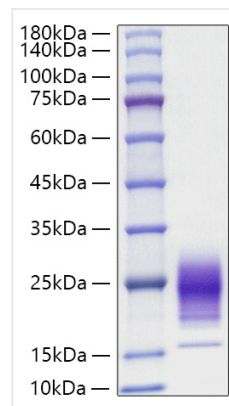
Host	HEK293 cells
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH7.4.
Sequence	MEIPMSTVVK ETLIQLSTHR ALLTSNETMR LPVPTHKNHQ LCIGEIFQGL DILKNQTVRG GTVEILFQNL SLIKKYIDGQ KEKCGEERRK TRHFLDYLQE FLGVMSTEWA MEV
Species	Rat
Tag	C-His
Endotoxin	<0.1EU/ug of the protein by LAL method.
Bio-Activity	Measured in a cell proliferation assay using TF-1 Human erythroleukemic cells. The ED ₅₀ for this effect is 0.695-2.78ng/mL, corresponding to a specific activity of 3.60×10 ⁵ ~1.44×10 ⁶ 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-5 stimulates cell proliferation assay using TF-1 Human erythroleukemic cells. The ED₅₀ for this effect is 0.695-2.78 ng/mL, corresponding to a specific activity of 3.60×10⁵~1.44×10⁶ units/mg.



SDS-PAGE

Recombinant Rat IL-5 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 20-30kDa.

ADDITIONAL INFORMATION

Related Product Information for IL-5 recombinant protein	Interleukin-5 (IL-5), which is produced primarily by type 2 T helper lymphocytes (Th2), is an eosinophil differentiation and activation factor. Antagonism of IL-5 activity is being explored as a potential treatment of a number of disease conditions associated with eosinophils in animal models. Interleukin-5 (IL-5) which was previously named T cell replacing factor, B cell growth and differentiation factor, colony forming unit growth stimulating factor and eosinophil differentiation factor is produced predominantly by T cells.
Product Categories/Family for IL-5 recombinant protein	Cytokines & Cytokine receptors; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	54019426
NCBI GeneID	24497
NCBI Accession #	NP_068606.1
NCBI GenBank Nucleotide #	NM_021834.1
UniProt Accession #	Q08125
UniProt Protein Name	Interleukin-5
UniProt Gene Name	IL5
UniProt Synonym Gene Names	IL-5; IL-5; BCGF-II; TRF
UniProt Entry Name	IL5_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/il5-recombinant-protein-hek293-cells/283407>