

IL-22 recombinant protein

Recombinant Mouse IL-22 Protein

CATALOG # AAA283399	HOST HEK293 cells
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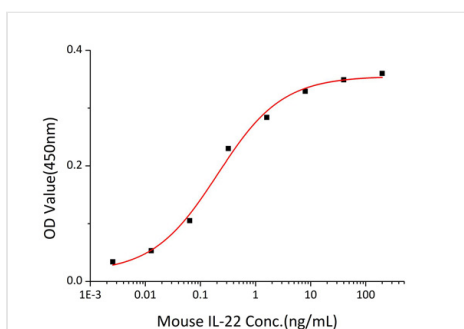
PRODUCT SYNONYMS

IL-22; Recombinant Mouse IL-22 Protein; If2b1; Iltif; IL-22a; ILTIFa; IL-22 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 cells
Purity/Purification	>95% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH7.4.
Sequence	LPVNTCKLE VSNFQQPYIV NRTFMLAKEA SLADNNTDVR LIGEKLFGRGV SAKDQCYLMK QVLNFTLEDV LLPQSDRFQP YMQEVVPFLT KLSNQLSSCH ISGDDQNIQK NVRRLEKTVK KLGESGEIKA IGELDLLFMS LRNACV
Species	Mouse
Tag	C-His
Endotoxin	<0.01EU/ug
Bio-Activity	Measured by its ability to induce IL-10 secretion in COLO 205 human colorectal adenocarcinoma cells. The ED ₅₀ for this effect is 0.1-0.4ng/mL, corresponding to a specific activity of 2.5×10 ⁶ ~1.0×10 ⁷ 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 Mouse IL-22 induce IL-10 secretion in COLO 205 human colorectal adenocarcinoma cells. The ED₅₀ for this effect is 0.1-0.4 ng/mL, corresponding to a specific activity of 2.5×10⁶~1.0×10⁷ units/mg.



SDS-PAGE

Recombinant Mouse IL-22 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 15 kDa.

ADDITIONAL INFORMATION

Related Product Information for IL-22 recombinant protein	Interleukin-22 (IL-22) was initially identified as a gene induced by IL-9 in mouse T cells and mast cells. Mouse IL-22 cDNA encodes a 179 amino acid residue protein with a putative 33 amino acid signal peptide that is cleaved to generate a 147 amino acid mature protein that shares approximately 79% and 22% sequence identity with human IL22 and IL10, respectively. IL22 has been shown to activate STAT-1 and STAT-3 in several hepatoma cell lines and up-regulate the production of acute phase proteins. IL-22 is produced by normal mouse T cells upon Con A activation. Mouse IL-22 expression is also induced in various organs upon lipopolysaccharide injection, suggesting that IL-22 may be involved in inflammatory responses. The functional IL-22 receptor complex consists of two receptor subunits, IL-22R (previously an orphan receptor named CRF2-9) and IL-10Rbeta (previously known as CRF2-4), belonging to the class II cytokine receptor family.
Product Categories/Family for IL-22 recombinant protein	Cytokines & Cytokine receptors; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	8393605
NCBI GeneID	50929
NCBI Accession #	NP_058667.1
NCBI GenBank Nucleotide #	NM_016971.2
UniProt Accession #	Q9JJY9; Q14BB3
UniProt Protein Name	Interleukin-22
UniProt Gene Name	IL22
UniProt Synonym Gene Names	IL22a; Itlif; Itlifa; IL-22; IL-TIF; IL-22a
UniProt Entry Name	IL22_MOUSE

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/il22-recombinant-protein-hek293-cells/283399>