

IL-21 R Recombinant Protein | IL-21R recombinant protein

Recombinant mouse IL-21 R protein

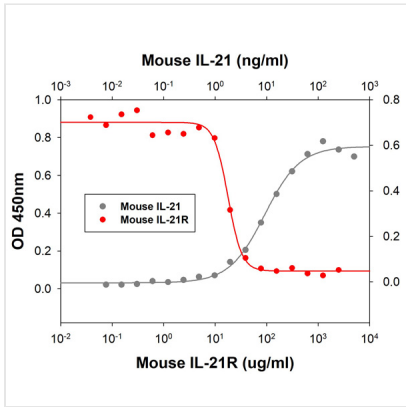
CATALOG # AAA48412	HOST HEK293	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

IL-21 R; Recombinant mouse IL-21 R protein; Interleukin-21 receptor; IL-21 receptor; IL-21R; IL21r; Lymphocyte receptor beta; LR-beta; Novel interleukin receptor; Novel cytokine receptor 8; NR8; CD360; CD360 antigen; NILR; Nilr; IL-21R recombinant protein

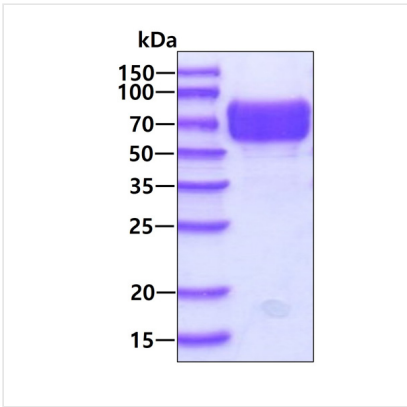
PRODUCT SPECIFICATIONS

Host	HEK293
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
Concentration	1mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence Positions	20-237aa
Sequence	CLDLTCYTDY LWTITCVLET RSPNPSILSL TWQDEYEELQ DQETFCSLHR SGHNTTHIWY TCHMRLSQFL SDEVFIVNVT DQSGNNSQEC GSFVLAESIK PAPPLNVTVA FSGRYDISWD SAYDEPSNYV LRGKLQYELQ YRNLDPYAV RPVTKLISVD SRNVSLLEPEE FHKDSSYQLQ VRAAPQPGTS FRGTWSEWSD PVIFQTQAGE PEAGWDPH
Applicable Applications for IL-21R recombinant protein	Bioactivity, SDS-PAGE
Species	Mouse
Tag	hIgG-His-Tag
Predicted Nterm	cys 20
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Bioactivity	Measured by its ability to inhibit IFN-g secretion using NK-92 human natural killer cells. The ED50 range <= 4 ug/ml with mouse IL-2
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.



Bioactivity

Mouse IL-21R in inhibit the IFN-g secretion of the NK-92 human natural killer cells in the presence of mouse IL-21. The ED50 range



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for IL-21R recombinant protein	IL-21R (Interleukin 21 receptor), also known as NILR, belongs to the type I cytokine receptor family and Type 4 subfamily. This receptor is Heterodimer with the common gamma subunit and transduces the growth promoting signal of IL21. It is important for the proliferation and differentiation of T cells, B cells, and NK cells. The ligand binding of this receptor leads to the activation of multiple downstream signaling molecules, including JAK1, JAK3, STAT1, and STAT3. B cell IL?21 R engagement induces Blimp-1, and is important for memory responses. It engagement on mouse NK cells enhances their cytotoxic activity and IFN-gamma production. It is selectively expressed in lymphoid tissues and most highly expressed in thymus and spleen and IL21 impacts some cell types, including CD8+ memory T cells, NK cells, and subsets of CD4 memory T cells. It is also necessary for sufficient numbers of regulatory T cells to combat chronic inflammation. Recombinant mouse IL21R, fused to hlgG-His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Product Categories/Family for IL-21R recombinant protein	Immunology; Hormones & Cytokines
References	Parrish-Novak, et al. (2000) Nature 408:57-63;; Mol Cell Biol. (2005) Nov; 25(22): 9741-9752.;; De Toter D, et al. (2006) Blood. 107(9): 3708-3715.;; Kasaian, M.T. et al. (2002) Immunity 16:559-569.;;

NCBI AND UNIPROT INFORMATION

NCBI GI #	11230786
NCBI GeneID	60504
NCBI Accession #	NP_068687.1
NCBI GenBank Nucleotide #	NM_021887.2
UniProt Accession #	Q9JHX3; Q9ESM1
Molecular Weight	58,355 Da
NCBI Official Full Name	interleukin-21 receptor
NCBI Official Synonym Full Names	interleukin 21 receptor
NCBI Official Symbol	IL21r
NCBI Official Synonym Symbols	NILR
NCBI Protein Information	interleukin-21 receptor; NR8; IL-21R; LR-beta; IL-21 receptor; lymphocyte receptor beta; novel cytokine receptor 8; novel interleukin receptor
UniProt Protein Name	Interleukin-21 receptor

UniProt Gene Name	IL21r
UniProt Synonym Gene Names	Nilr; IL-21 receptor; IL-21R; LR-beta; NR8
UniProt Entry Name	IL21R_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://stage.aaabiotech.com/il21r-recombinant-protein-hek293-bioactivity-sds-page/48412>