

Active Recombinant Human IL17RA protein(Met1-Trp320), His-tagged

Cat. No. IL17RA-2197H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL17RA (NP_055154.3) (Met 1-Trp 320) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Trp320
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized recombinant human IL17A at 2 µg/ml (100 µl/well) can bind biotinylated human IL17RA with a linear range of 1.28-32 ng/ml. 2. Measured by its ability to inhibit IL-17-induced IL-6 secretion by NIH-3T3 mouse embryonic fibroblast cells. The ED50 for this effect is 0.2-1.2µg/mL in the presence of 5 ng/mL recombinant human IL-17.
Molecular Mass	The recombinant human IL17RA consists of 299 amino acids and has a predicted molecular mass of 35 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh IL17RA is approximately 52-60 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.

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Purity	> 97 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IL17RA interleukin 17 receptor A [Homo sapiens]
Official Symbol	IL17RA
Synonyms	IL17RA; interleukin 17 receptor A; IL17R, interleukin 17 receptor; interleukin-17 receptor A; CD217; CDw217; hIL 17R; IL 17RA; IL-17 receptor A; IL17R; CANDF5; IL-17RA; hIL-17R; FLJ32274; FLJ36453; MGC10262;
Gene ID	23765
mRNA Refseq	NM_014339
Protein Refseq	NP_055154
MIM	605461
UniProt ID	Q96F46

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