

IL17RD recombinant protein

Recombinant Human IL17RD Protein (His tag)

CATALOG #
AAA173563

HOST
Human Cells

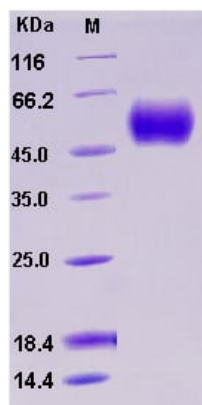
PRODUCT SYNONYMS

IL17RD; Recombinant Human IL17RD Protein (His tag); DKFZp434N1928; FLJ35755; IL-17RD; IL17RLM; MGC133309; SEF; IL17RD recombinant protein

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	> 97 % as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5% trehalose, 5% mannitol, 0.01% Tween80
Sequence Length	739
Source	Human
Predicted N Terminal	Cys 17
Protein Construction	A DNA sequence encoding the extracellular domain of human IL17RD (NP_000416.1) (Met 1-Glu 1120) was fused with a polyhistidine tag at the C-terminus.
Molecular Mass	The secreted recombinant human IL17RD comprises 294 amino acids with a predicted molecular mass of 33.5 kDa. As a result of glycosylation, the apparent molecular mass of rhIL17RD is approximately 55-60 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per ug of the protein as determined by the LAL method
Reconstitution	It is recommended that sterile water (200ul) be added to the vial to prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.
Preparation and Storage	Store under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted and be used as soon as possible. Avoid repeated freeze-thaw cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for IL17RD recombinant protein	Interleukin-17 receptor D (IL-17D) also known as Interleukin-17 receptor-like protein, is a member of interleukine-17 receptor family. IL-17RD functions as a feedback inhibitor of fibroblast growth factor mediated Ras-MAPK signaling and ERK activation. It may inhibit FGF-induced FGFR1 tyrosine phosphorylation, regulate the nuclear ERK signaling pathway by spatially blocking nuclear translocation of activated ERK By similarity, and mediate JNK activation and may be involved in apoptosis. IL-17RD is found expressed in the neopallial cortex, rhombic lip and dorsal regions of the myelencephalon and in the frontal nasal process. IL-17RD is also expressed in the commissural plate and septal area of the forebrain and in the hippocampus, lens and optic cup. In the oral region, IL-17RD is expressed in the tongue and in the mesenchyme of the first branchial arch. It is also expressed in the developing inner ear. IL-17RD interacts with both IL-17R-Myc and IL-17RB-Myc. Both the intracellular and extracellular domains of IL-17RD interact with IL-17R. IL-17R forms a heteromeric complex with IL-17RD. Experiment results indicate that IL-17RD is able to affect IL-17R localization, suggesting that these two molecules are colocalized and associate with each other within cells. The fact that IL-17RD Delta ICD is unable to mediate IL-17 signaling but functions as a dominant-negative form indicates that the intracellular domain of IL-17RD is pivotal. In addition, IL-17RD interacts with the IL-17R downstream molecule TRAF6. It has been proposed that the IL-17RD intracellular domain interacts with IL-17R and TRAF6 to deliver the downstream signal.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	166063983
NCBI GeneID	54756
NCBI Accession #	NP_060033.3
NCBI GenBank Nucleotide #	NM_017563.4
UniProt Accession #	Q8NFM7; Q2NKP7; Q58EZ7; Q6RVF4; Q6UWI5; Q8N113; Q8NFS0; Q9UFA0
NCBI Official Full Name	interleukin-17 receptor D isoform a
NCBI Official Synonym Full Names	interleukin 17 receptor D
NCBI Official Symbol	IL17RD
NCBI Official Synonym Symbols	SEF; HH18; IL-17RD; IL17RLM
NCBI Protein Information	interleukin-17 receptor D
UniProt Protein Name	Interleukin-17 receptor D
UniProt Gene Name	IL17RD
UniProt Synonym Gene Names	IL17RLM; SEF; IL-17 receptor D; IL-17RD; hSef

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/il17rd-recombinant-protein-human/173563>