

Active Recombinant Rat IL17ra, His-tagged

Cat. No. IL17ra-7453R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat IL17ra (NP_001101353.2) (Met1-Pro320), fused with a polyhistidine tag at the C-terminus, was expressed in human cells.
Species	Rat
Source	Human Cells
ProteinLength	1-320 a.a.
Predicted N Terminal	Ser 32
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized rat IL17RA-His at 10 µg/ml (100 µl/well) can bind biotinylated human IL17A, The EC50 of biotinylated human IL17A is 5-11.8 ng/ml. 2. Measured by its binding ability in a functional ELISA. Immobilized mouse IL17a at 10 µg/ml (100 µl/well) can bind rat IL17RA-His, The EC50 of rat IL17RA-His is 0.44-1.02 µg/mL.
Molecular Mass	The recombinant rat IL17RA comprises 300 amino acids and predicts a molecular mass of 34.1 kDa. The apparent molecular mass of the recombinant protein is approximately 52-58 kDa in SDS-PAGE under reducing conditions due to glycosylation.

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Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Storage	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	A hardcopy of COA with reconstitution instruction is sent along with the products.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	Il17ra interleukin 17 receptor A [Rattus norvegicus (Norway rat)]
Official Symbol	Il17ra
Synonyms	Il17ra; interleukin 17 receptor A; Il17r; interleukin-17 receptor A
Gene ID	312679
mRNA Refseq	NM_001107883
Protein Refseq	NP_001101353
Chromosome	4q42

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Location	
Pathway	Cytokine-cytokine receptor interaction
Function	interleukin-17 receptor activity; molecular_function

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