

Active Recombinant Mouse Interleukin 22 Receptor, Alpha 2, Fc-tagged

Cat. No. IL22ra2-5656M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL22ra2 protein was expressed in Murine myeloma cell line with the Fc part of Mouse IgG2A Glu98-Lys330 (C-terminus) and Mouse IL22ra2 Thr19-Pro230 (N-terminus).
Species	Mouse
Source	Mammalian Cells
Protein Length	19-230 a.a.
Description	IL22ra2 is a 35-45 kDa secreted glycoprotein belonging to the type II cytokine receptor family (CRF). IL-22 signals through a receptor complex consisting of IL-22 R and IL-10 Rβ. IL22ra2 is also a component of the receptor complexes for IL-10, IL-26, IL-28, and IL-29. IL22ra2 is widely expressed, and other cell types express either IL-10 Rα or IL-22 R but not both. The mouse IL22ra2 cDNA encodes a 230 amino acid (aa) precursor that includes a 20 aa signal sequence and two fibronectin type-III domains.
Form	Lyophilized from a 0.2 μm filtered solution in PBS.
N-terminal Sequence	Thr19
Molecular Weight	51.8 kDa (monomer)
Activity	Measured by its binding ability in a functional ELISA. In a 100 μL reaction

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	mixture containing biotinylated rmIL-22 at 25 ng/mL and rm IL22ra2/Fc Chimera dilutions at 0.03-20 µg/mL, the concentration of rm IL22ra2/Fc Chimera that produces 50% of the optimal binding response is found to be approximately 1-4 µg/mL.
Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.
SDS-PAGE	60-70 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	250 µg/mL in sterile PBS
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	IL22ra2 interleukin 22 receptor, alpha 2 [<i>Mus musculus</i>]
Official Symbol	IL22ra2
Synonyms	IL22ra2; interleukin 22 receptor, alpha 2; CRF2X; CRF2-10; CRF2-s1; IL-22bp; interleukin-22 receptor subunit alpha-2; IL22BP; IL-22RA2; zcytoR16; IL-22R-alpha-2; IL-22 receptor subunit alpha-2; interleukin-22-binding protein; cytokine receptor family II soluble 1; cytokine receptor family type 2, soluble 1
Gene ID	237310
mRNA Refseq	NM_178258

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Protein Refseq	NP_839989
UniProt ID	Q08AV1
Chromosome Location	10
Pathway	Cytokine-cytokinereceptor interaction; Jak-STAT signaling pathway
Function	interleukin-22binding; interleukin-22 receptor activity; protein binding; receptor activity

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