

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

**Cat. No.** II22ra2-5656M    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	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).
<b>Species</b>	Mouse
<b>Source</b>	Mammalian Cells
<b>Protein Length</b>	19-230 a.a.
<b>Description</b>	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 R $\beta$ . 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 R $\alpha$ 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.
<b>Form</b>	Lyophilized from a 0.2 $\mu$ m filtered solution in PBS.
<b>N-terminal Sequence</b>	Thr19
<b>Molecular Weight</b>	51.8 kDa (monomer)
<b>Activity</b>	Measured by its binding ability in a functional ELISA. In a 100 $\mu$ L reaction

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mixture containing biotinylated rmlL-22 at 25 ng/mL and rm IL22ra2/FcChimera 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** <1.0EU per 1µg of the protein by the LAL method.

**SDS-PAGE** 60-70kDa, 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 [ *Mus musculus* ]

**Official Symbol** IL22ra2

**Synonyms** IL22ra2; interleukin22 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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<b>Protein Refseq</b>	NP_839989
<b>UniProt ID</b>	Q08AV1
<b>Chromosome Location</b>	10
<b>Pathway</b>	Cytokine-cytokinereceptor interaction; Jak-STAT signaling pathway
<b>Function</b>	interleukin-22binding; interleukin-22 receptor activity; protein binding; receptor activity

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