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

Cat. No. Il22ra2-5656M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RecombinantMouse Il22ra2 protein was expressed in Murine myeloma celllinewith the Fc part of Mouse IgG2A Glu98-Lys330 (C-terminus) and MouseIl22ra2 Thr19-Pro230 (N-terminus).
Species	Mouse
Source	Mammalian Cells
ProteinLength	19-230 a.a.
Description	Il22ra2is a 35-45 kDa secreted glycoprotein belonging to the type II cytokine receptorfamily (CRF). IL-22 signals through a receptor complex consisting of IL-22 R andIL-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 typesexpress either IL-10 Rα or IL-22 R but not both. The mouse Il22ra2 cDNAencodes a 230 amino acid (aa) precursor that includes a 20 aa signal sequenceand two fibronectin type-III domains.
Form	Lyophilizedfrom a 0.2 μm filtered solution in PBS.
N-terminalSequence	Thr19
MolecularWeight	51.8 kDa (monomer)
Activity	Measuredby its binding ability in a functional ELISA. In a 100 μL reaction

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	mixturecontaining biotinylated rmIL-22 at 25 ng/mL and rm Il22ra2/FcChimera dilutions at 0.03-20 μg/mL, the concentration of rm Il22ra2/Fc Chimerathat produces 50% of the optimal binding response is found to be approximately1-4 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/mLin sterile PBS
Storage	Use amanual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1month, 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 22receptor, alpha 2 [Mus musculus]
Official Symbol	Il22ra2
Synonyms	Il22ra2; interleukin22 receptor, alpha 2; CRF2X; CRF2-10; CRF2-s1; Il-22bp; interleukin-22receptor subunit alpha-2; IL22BP; IL-22RA2; zcytoR16; IL-22R-alpha-2; IL-22receptor subunit alpha-2; interleukin-22-binding protein; cytokine receptorfamily 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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