

Active Recombinant Mouse Interleukin 23 Receptor, Fc-tagged

Cat. No. IL23r-5657M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL23r protein was expressed in Murine myeloma cell line with the Fc part of Human IgG1 Pro100-Lys330 (C-terminus) and Mouse IL23r Gly24-Asp372 (N-terminus).
Species	Mouse
Source	Mammalian Cells
Protein Length	24-372 a.a.
Description	IL23r is a heterodimeric cytokine composed of two disulfide-linked subunits, a p19 subunit that is unique to IL-23, and a p40 subunit that is shared with IL-12. The functional IL23r complex consists of two receptor subunits, the IL-12 receptor beta 1 subunit (IL-12 Rβ1) and the IL-23-specific receptor subunit (IL-23 R). Mouse IL23r cDNA encodes a 644 amino acid (aa) type I transmembrane protein with a 23 aa residue signal peptide, a 349 aa residue extracellular domain, a 23 aa residue transmembrane domain and a 249 aa residue cytoplasmic region.
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
N-terminal Sequence	Gly24
Molecular Weight	66.8 kDa (monomer)
Activity	Measured by its binding ability in a functional ELISA. Immobilized rm IL23r/Fc Chimera

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	at 5 µg/mL (100 µL/well) can bind rmIL-23 with a linear range of 0.6-40ng/mL.
Endotoxin Level	<1.0EU per 1µg of the protein by the LAL method.
SDS-PAGE	105 kDa,reducing conditions.
Purity	>90%,by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	100 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	IL23r interleukin 23 receptor[<i>Mus musculus</i>]
Official Symbol	IL23r
Synonyms	IL23r; interleukin23 receptor; IL-23R; interleukin-23receptor; IL-23 receptor
Gene ID	209590
mRNA Refseq	NM_144548
Protein Refseq	NP_653131
UniProt ID	Q8K4B4
Chromosome	6

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Location	
Pathway	Cytokine-cytokinereceptor interaction; Jak-STAT signaling pathway
Function	interleukin-23binding; interleukin-23 receptor activity; receptor activity

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