Recombinant Rat Il23r Protein, His-tagged

Cat. No. Il23r-11104R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rat IL-23 R Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Gly 39 - Asp 367 (Accession # F1LX96). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Gly 39
Species	Rat
Source	HEK293
ProteinLength	39-367 aa
Description	Interleukin 23 receptor (IL-23R) is a type I cytokine receptor, and IL-23R pairs with the receptor molecule IL12RB1/IL12Rbeta1, and both are required for IL23A signaling. Also, IL-23R associates constitutively with Janus kinase 2 (JAK2), and binds to transcription activator STAT3 in a ligand-dependent manner. Furthermore, IL-23R mediates T-cells, NK cells and possibly certain macrophage/myeloid cells stimulation probably through activation of the Jak-Stat signaling cascade. As for IL-23, it may be responsible for autoimmune inflammatory diseases and be important for tumorigenesis.
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 39.6 kDa. The protein migrates as 50-80 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.

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Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.
Purity	>95% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Il23r interleukin 23 receptor [Rattus norvegicus]
Official Symbol	IL23R
Synonyms	IL23R; interleukin 23 receptor;
Gene ID	689932
UniProt ID	F1LX96

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