
Product Data Sheet

Product Name: IL23R Human

Cat. No.: GP20628

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin 23 Receptor; IL-23 Receptor; IL-23R; IL23R.		
Amino Acid Sequence	ADPGITNINC SGHIWVEPAT IFKMGMNISI YCQAAIKNCQ PRKLHFYKNG IKERFQITRI NKTTARLWYK NFLEPHASMY CTAECPKHFQ ETLICGKDIS SGYPPDIPDE VTCVIYEYSG NMTCTWNAGK LTYIDTKYVV HVKSLETEEE QQYLTSYYIN ISTDSLQGGK KYLVWVQAAN ALGMEESKQL QIHLDDIVIP SAAVISRAET INATVPKTII YWDSQTTIEK VSCEMRYKAT TNQTNVKEF DTNFTYVQQS EFYLEPNIKY VFQVRCQETG KRYWQPWSSL FFHKTPETVP QVTSKAFQHD TWNSGLTVAS ISTGHLTSDN RGDIGLEPKS CDKTHTCPPC PAPELLGGPS VFLFPPKPKD TLMISRTPEV TCVVVDVSHE DPEVKFNWYV DGVEVHNAKT KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP APIEKTISKA KGQPREPQVY TLPPSRDEL TKNQVSLTCLV KGFYPSDIAV EWESNGQPEN NYKTTTPVLD SDGSFFLYSK LTVDKSRWQQ GNVFSCSVMH EALHNHYTQK SLSLSPGKHH HHHH.		
Formulation	IL23R protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH7.4) and 10% glycerol.		

Introduction

Interleukin-23 receptor (IL23R) is a member of the type I cytokine receptor family, Type 2 subfamily. IL23R contains two fibronectin type-III domains and is expressed by monocytes, Th1, Th0, NK and dendritic cells. IL23R protein pairs with the receptor molecule IL12RB1/IL12Rbeta1, and both are necessary for IL23A signaling. IL23R protein associates constitutively with JAK2 (Janus kinase 2), and it also binds to transcription activator STAT3 in a ligand-dependent manner. IL23R binds IL23 and mediates T-cells, NK cells and perhaps certain macrophage/myeloid cells stimulation most likely by way of activation of the Jak-Stat signaling cascade. IL23R might be responsible for autoimmune

Caution: Product has not been fully validated for medical applications. For research use only.

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inflammatory diseases and be vital for tumorigenesis.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Interleukin-23 Receptor Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 574 amino acids (24-355a.a.) and having a molecular mass of 65.3kDa (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). IL23R is fused with a 239 amino acids hIgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

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