

32-6470: IL23R Human

Alternative Name : Interleukin 23 Receptor, IL-23 Receptor, IL-23R, IL23R.

Description

Source: Sf9, Baculovirus cells.

Sterile filtered colorless solution.

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 inflammatory diseases and be vital for tumorigenesis.

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 hlgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	IL23R protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH7.4) and 10% glycerol.
Storage condition :	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.
Amino Acid :	ADPGITNINC SGHIWVEPAT IFKMGMNISI YCQAAIKNCQ PRKLHFKNG IKERFQITRI NKTTARLWYK NFLEPHASMY CTAECPKHFQ ETLICGKDIS SGYPDPDPE VTCVIYEYS NMTCTWNAGK LTYIDTKYVV HVKSLETEEE QQYLTSSYIN 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 TLPPSRDELT KNQVSLTCLV KGFYPSDIAV EWESNGQPN NYKTTTPVLD SDGSFFLYSK LTVDKSRWQQ GNVFSCSVMH EALHNHYTQK SLSLSPGKHH HHHH.