## PRODUCT INFORMATION

## Expression system

Baculovirus

## Domain

24-355aa

## UniProt No.

Q5VWK5
NCBI Accession No.
NP_653302.2

## Alternative Names

Interleukin-23 receptor, IL-23R, IL-23 receptor

## PRODUCT SPECIFICATION

## Molecular Weight

65.3 kDa (574aa)

## Concentration

$0.25 \mathrm{mg} / \mathrm{ml}$ (determined by absorbance at 280 nm )

## Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10\% glycerol

## Purity

> 90\% by SDS-PAGE

## Endotoxin level

< 1 EU per lug of protein (determined by LAL method)

## Tag

hlgG-His-Tag

## Application

SDS-PAGE

## Storage Condition

Can be stored at +2 C to +8 C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

## Description

IL23R, also known as interleukin-23 receptor, belongs to the type I cytokine receptor family, Type 2 subfamily. It contains 2 fibronectin type-III domains and is expressed by monocytes, Th1, Th0, NK and dendritic cells. It may be responsible for autoimmune inflammatory diseases and be important for tumorigenesis. Recombinant human IL23R, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional
chromatography techniques.

## Amino acid Sequence

<ADP>GITNINC SGHIWVEPAT IFKMGMNISI YCQAAIKNCQ PRKLHFYKNG IKERFQITRI NKTTARLWYK NFLEPHASMY CTAECPKHFQ ETLICGKDIS SGYPPDIPDE VTCVIYEYSG NMTCTWNAGK LTYIDTKYVV HVKSLETEEE QQYLTSSYIN ISTDSLQGGK KYLVWVQAAN ALGMEESKQL QIHLDDIVIP SAAVISRAET INATVPKTII YWDSQTTIEK VSCEMRYKAT TNQTWNVKEF DTNFTYVQQS EFYLEPNIKY VFQVRCQETG KRYWQPWSSL FFHKTPETVP QVTSKAFQHD TWNSGLTVAS ISTGHLTSDN RGDIG<LEPKS CDKTHTCPPC PAPELLGGPS VFLFPPKPKD TLMISRTPEV TCVVVDVSHE DPEVKFNWYV DGVEVHNAKT KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP APIEKTISKA KGQPREPQVY TLPPSRDELT KNQVSLTCLV KGFYPSDIAV EWESNGQPEN NYKTTPPVLD SDGSFFLYSK LTVDKSRWQQ GNVFSCSVMH EALHNHYTQK SLSLSPGKHH HHHH>

## General References

Dubinsky MC., et al. (2007) Inflamm Bowel Dis. 13:511-515.
Yao J., et al. (2014) Gene. 533:21-25.

DATA

SDS-PAGE


3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

