

Recombinant Human IL23R protein(Met1-Asp353), hFc-tagged

Cat. No. IL23R-2400H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL23R (AAM44229.1) (Met1-Asp353) was expressed with the Fc region of Human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Asp353
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. 1. Immobilized human IL23A-His+IL12B-His at 10 µg/ml (100 µl/well) can bind human IL23R-Fc. The EC50 of human IL23R-Fc is 0.28-0.66 µg/ml. 2. Immobilized mouse IL12Bh (m)+mIL23Ah at 10 µg/ml (100 µl/well) can bind human IL23R-Fc. The EC50 of human IL23R-Fc is 0.14-0.35 µg/ml.
Molecular Mass	The recombinant human IL23R /Fc is a disulfide-linked homodimer. The reduced monomer comprises 571 amino acids and has a predicted molecular mass of 64.9 kDa. The apparent molecular mass of the protein is approximately 92 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 90 % as determined by SDS-PAGE. ≥ 95 % as determined by SEC-HPLC.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. 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 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IL23R interleukin 23 receptor [Homo sapiens]
Official Symbol	IL23R
Synonyms	IL23R; interleukin 23 receptor; interleukin-23 receptor; IL 23R; IL-23 receptor;
Gene ID	149233
mRNA Refseq	NM_144701
Protein Refseq	NP_653302
MIM	607562
UniProt ID	Q5VWK5

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