

Recombinant Human IL23R Protein (Gly24-Asp353), C-hFc-tagged

Product Information

Cat	IMP-10548
Official Symbol	IL23R
Product Overview	Recombinant human IL-23R protein (Gly24-Asp353) with a Human IgG1 (Pro100-Lys330) Fc tag at C-terminus was expressed in Mouse myeloma cell line.
Description	The protein encoded by this gene is a subunit of the receptor for IL23A/IL23. This protein pairs with the receptor molecule IL12RB1/IL12Rbeta1, and both are required for IL23A signaling. This protein associates constitutively with Janus kinase 2 (JAK2), and also binds to transcription activator STAT3 in a ligand-dependent manner.
Expression System	Mouse myeloma cell line
Species	Human
Tag	C-hFc
Predicted N Terminal	Gly24
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Molecular Mass	Predicted Molecular Mass: 64 kDa (monomer) SDS-PAGE: 95-105 kDa, reducing conditions
Protein length	Gly24-Asp353
Bio-activity	Measured by its ability to inhibit IL-23 induced IL-17 secretion by mouse splenocytes. The ED50 for this effect is 0.008-0.04 µg/mL in the presence of 0.3 ng/mL of rhIL-23.
Endotoxin	
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Notes	Disulfide-linked homodimer
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS.