

IL-23 Protein, Rabbit, Recombinant (His)

General Information

Protein Construction:	A DNA sequence encoding the rabbit IL12B (XP_002710393.1)(Met1-Asn324) was expressed with a polyhistidine tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the rabbit IL23A (XP_002711125.1)(Met1-Pro191) constructed the plasmid 2. The two plasmids were co-expressed and the rabbit IL12B&IL23A heterodimer was purified. Predicted N terminal: Ile 23 & Arg 20
Species:	Rabbit
Expression Host:	HEK293 Cells
Accession:	XP_002710393.1&XP_002711125.1
Molecular Weight:	56.6 kDa (predicted)

QC Testing

Biological Activity:	Loaded Recombinant Rabbit IL-23 Protein, His Tag (Cat#TMPY-04792) on HIS1K Biosensor, can bind Recombinant Rat IL-23 Receptor Protein, hFc Tag (Cat#TMPY-03245) with an affinity constant of 99.200 nM as determined in BLI assay (Sartorius Octet RED384) (Routinely tested).
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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