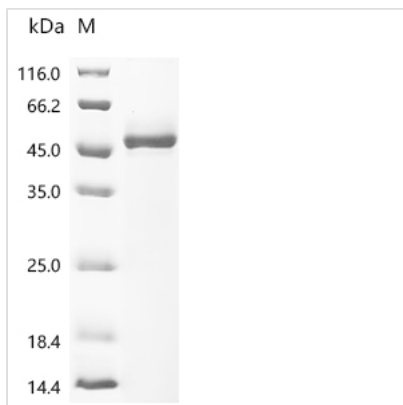


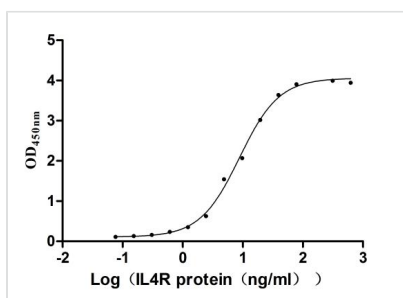


Recombinant Human Interleukin-4 (IL4) (Active)

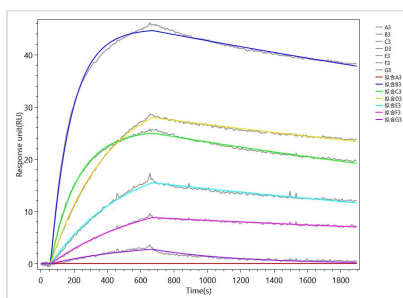
Product Code	CSB-MP011659HU
Abbreviation	Recombinant Human IL4 protein (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P05112
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	<p>① Measured by its binding ability in a functional ELISA. Immobilized Human IL4 at 2 µg/mL can bind Biotinylated Human IL4R (CSB-MP011661HU2-B). The EC50 is 7.926-9.836 ng/mL.</p> <p>② Human IL4 captured on Protein A Chip can bind Recombinant Human IL4R (CSB-MP011661HU2-B) with an affinity constant of 17.1 nM as detected by MetaSPR Assay (WeSPRTM 200).</p>
Purity	Greater than 95% as determined by SDS-PAGE.
Sequence	HKCDITLQEIHKTLNSLTEQKTLCTELTVTDIFAASKNTTEKETFCRAATVLRQFY SHHEKDRCLGATAQQFHRHKQLIRFLKRLDRNLWGLAGLNSCPVKEANQST LENFLERLKTIMREKYSKCSS
Source	Mammalian cell
Target Names	IL4
Expression Region	25-153aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal hFc1-Myc-tagged
Mol. Weight	43.9 kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity
Measured by its binding ability in a functional ELISA. Immobilized Human IL4 at 2 µg/ml can bind Biotinylated Human IL4R (CSB-MP011661HU2-B). The EC₅₀ is 7.926-9.836 ng/mL.



Activity
Human IL4 captured on Protein A Chip can bind Recombinant Human IL4R(CSB-MP011661HU2-B) with an affinity constant of 17.1 nM as detected by MetaSPR Assay (WeSPRTM 200).

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.