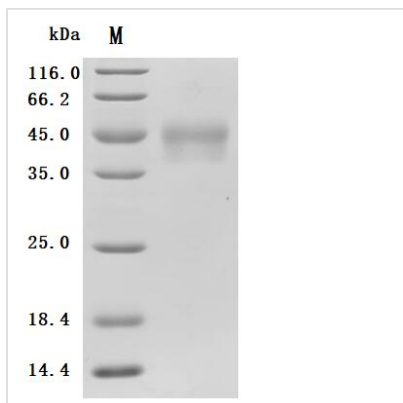




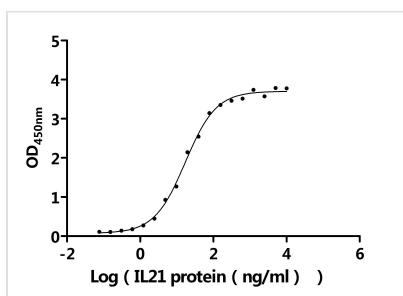
Recombinant *Macaca fascicularis* Interleukin-21 receptor (IL21R), partial (Active)

Product Code	CSB-MP7140MOV
Abbreviation	Recombinant <i>Cynomolgus</i> monkey IL21R protein, partial (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.	G7Q0S8
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	<i>Macaca fascicularis</i> (Crab-eating macaque) (<i>Cynomolgus</i> monkey)
Biological Activity	<p>① Measured by its binding ability in a functional ELISA. Immobilized <i>Macaca fascicularis</i> IL21R at 2 µg/mL can bind Human IL21 (CSB-MP872537HU). The EC50 is 15.01-19.43 ng/mL.</p> <p>② Human IL21 (CSB-MP872537HU) captured on Protein A Chip can bind Recombinant <i>Macaca fascicularis</i> IL21R with an affinity constant of 1.31 nM as detected by MetaSPR Assay (WeSPRTM 200).</p>
Purity	≥ 95% as determined by SDS-PAGE.
Sequence	CPDLVCYTDYLQTVICILEMWNLHPSTLTLTWQDQYEELKDEATSCSLHRSAH NATHATYTCHMDVVFHFMADDIFSVNVTDHSGNYTQECGSFLLADSIKPAFPFN VTVTFSGQYNISWRSDYEDPAFYMLKGLQYELQYRNRGDPWAVSPRRKLIS VDSRSVSLLEFRKDSSYELQVRAGPMPGSSYQGTWSEWSDPVIFQTQSEE LKE
Source	Mammalian cell
Target Names	IL21R
Expression Region	41-253aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-tagged
Mol. Weight	26.2 kDa
Protein Length	Partial

Image

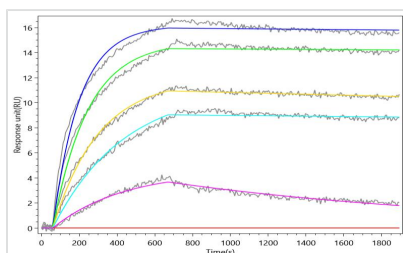


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity

① Measured by its binding ability in a functional ELISA. Immobilized *Macaca fascicularis* IL21R at 2 $\mu\text{g/ml}$ can bind Human IL21 (CSB-MP872537HU). The EC_{50} is 15.01-19.43 ng/mL.



Activity

Human IL21 (CSB-MP872537HU) captured on Protein A Chip can bind Recombinant *Macaca fascicularis* IL21R with an affinity constant of 1.31 nM as detected by MetaSPR Assay (WeSPRTM 200).

Endotoxin

Less than 1.0 EU/ μg 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 $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. 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 $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.