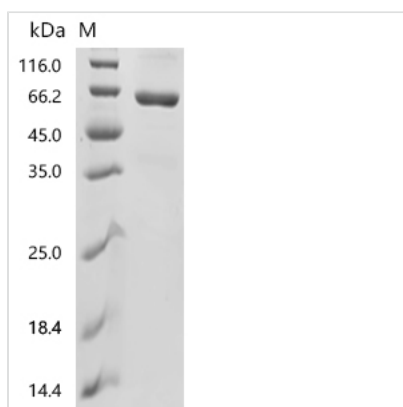


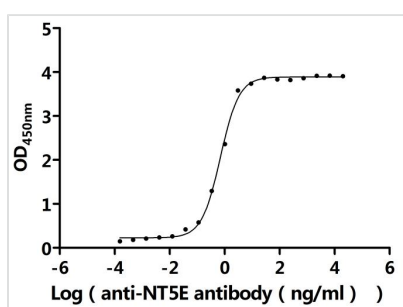


Recombinant *Macaca fascicularis* 5'-nucleotidase, partial (Active)

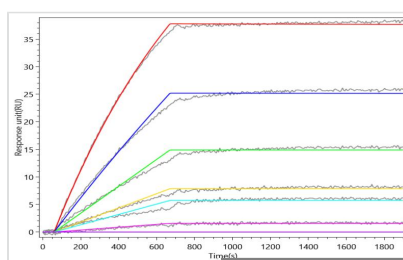
Product Code	CSB-MP7218MOV
Abbreviation	Recombinant <i>Cynomolgus</i> monkey 5'-nucleotidase protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid 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.	G7P3J1
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	① Measured by its binding ability in a functional ELISA. Immobilized <i>Macaca fascicularis</i> NT5E at 2 µg/mL can bind anti-NT5E recombinant antibody (CSB-RA723415MA1HU). The EC ₅₀ is 0.6454-0.7583 ng/mL. ② NT5E Recombinant Monoclonal Antibody (CSB-RA723415MA1HU) captured on Protein A Chip can bind <i>Macaca fascicularis</i> NT5E with an affinity constant of 0.253 nM as detected by MetaSPR Assay (WeSPRTM 200).
Purity	≥ 95% as determined by SDS-PAGE.
Sequence	WELTILHTNDVHSRLEQTSSESSKCVNASRCMGGVARLFTKVQQIRRAEPNVLLDAGDQYQGTIWFTVYKGAEVAHF MNALRYDAMALGNHEFDNGVEGLIEPLLKEAKFPILSANIKAKGPLASQISGLYLPYKVLPGDEVVGVGIVGYSKETPFLSNPGTNLVFEDEITALQPEVDKLTNLV NKIIALGHSGFETDKLIAQKVRGVDVVVGGHSNTFLYTG NPPSKEVPAGKYPFIVTSD DGRKVPVQAYAFGKYLGYLKIEFDE RGNVISSHG NPILLNSSIPEDPSIKADINKWRIKLDNYSTQELGKTIVYLDGSSQSCR FRECNMGNLICDAMINNNLRHADEMFWNHVSMCILNGGGIRSPIDERNNGTITWENLA AVL PFGGTFDLVQLKGSTLKKAFEHSVHRYGQSTGEFLQVGGIHVYDLSRKPGDRVVKLDVLCTKCRVPSYDPLKMDEIYKILPNFLANGGDFQM IKDELLRHDSGDQDINNVSTYISKMKVIYPAVEGRIKFSTGSHC
Source	Mammalian cell
Target Names	NT5E
Expression Region	27-554aa
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	59.8 kDa
Protein Length	Partial


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 *Macaca fascicularis* NT5E at 2 µg/ml can bind anti-NT5E recombinant antibody (CSB-RA723415MA1HU). The EC₅₀ is 0.6454-0.7583 ng/mL.



Activity
NT5E Recombinant Monoclonal Antibody (CSB-RA723415MA1HU) captured on Protein A Chip can bind *Macaca fascicularis* NT5E with an affinity constant of 0.253 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.