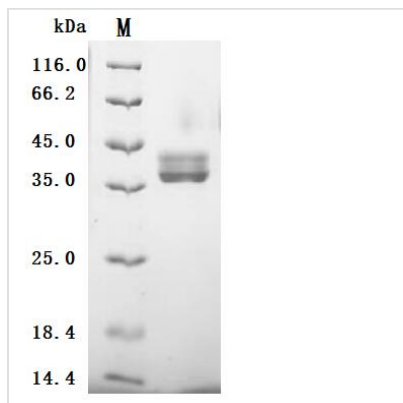


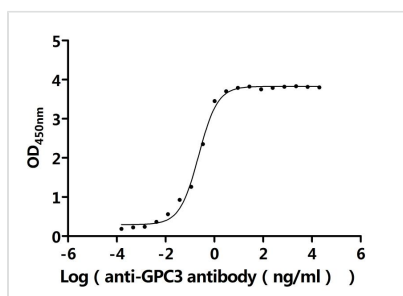


Recombinant Human Glypican-3 (GPC3), partial (Active)

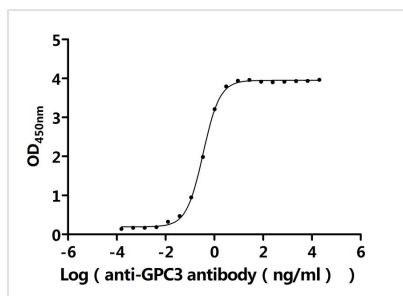
Product Code	CSB-MP009705HU1
Abbreviation	Recombinant Human GPC3 protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P51654
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	①Measured by its binding ability in a functional ELISA. Immobilized Human GPC3 at 2 µg/mL can bind Anti-GPC3 recombinant antibody (CSB-RA009705A1HU). The EC50 is 0.2007-0.2567 ng/mL. ②Measured by its binding ability in a functional ELISA. Immobilized Human GPC3 at 2 µg/mL can bind Anti-GPC3 recombinant antibody (CSB-RA009705MA2HU). The EC50 is 0.3261-0.3657 ng/mL.
Purity	≥ 95% as determined by SDS-PAGE. ≥ 95% as determined by SEC-HPLC.
Sequence	AELAYDLDDVDDAPGNSQQATPKDNEISTFHNLGNVHSPLK
Source	Mammalian cell
Target Names	GPC3
Expression Region	524-563aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal mFc-tagged
Mol. Weight	32.1 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 Human GPC3 at 2 μ g/ml can bind Anti-GPC3 recombinant antibody (CSB-RA009705A1HU). The EC_{50} is 0.2007-0.2567 ng/mL.



Activity
Measured by its binding ability in a functional ELISA. Immobilized Human GPC3 at 2 μ g/ml can bind Anti-GPC3 recombinant antibody (CSB-RA009705MA2HU). The EC_{50} is 0.3261-0.3657 ng/mL.



The purity of GPC3 was greater than 95% as determined by SEC-HPLC

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.