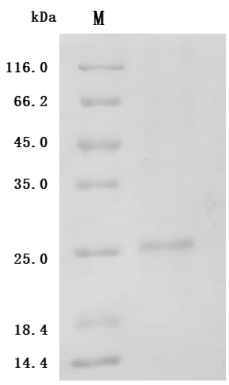
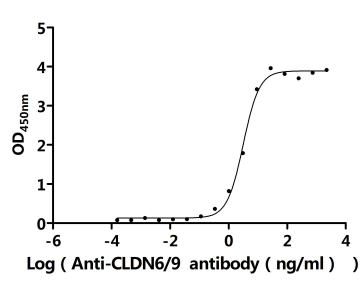
Recombinant Human Claudin-9 (CLDN9), partial-Detergent (Active)

Product Code	CSB-MP005511HU1-D
Abbreviation	Recombinant Human CLDN9 protein, partial-Detergent (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.	O95484
Form	Liquid
Storage Buffer	50 mM HEPES,0.15 M NaCl, 0.05% DDM,0.01% CHS,pH7.5
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human CLDN9 at 2 μg/ml on an Nickel Coated plate can bind Anti-CLDN6/9 recombinant antibody (CSB-RA005508MA1HU). The EC50 is 2.812-3.524 ng/mL.
Purity	≥ 95% as determined by SDS-PAGE.
Sequence	ASTGLELLGMTLAVLGWLGTLVSCALPLWKVTAFIGNSIVVAQVVWEGLWMSCVVQSTGQMQCKVYDSLLALPQDLQAARALCVIALLLALLGLLVAITGAQCTTCVEDEGAKARIVLTAGVILLLAGILVLIPVCWTAHAIIQDFYNPLVAEALKRELGASLYLGWAAAALLMLGGGLLCCTCPPPQVERPRGPRLGYSIPSRSGASGLDKRDYV
Source	Mammalian cell
Target Names	CLDN9
Expression Region	2-217aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Twin-Strep-tagged
Mol. Weight	27.3 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 CLDN9 at 2 μg/ml on an Nickel Coated plate can bind Anti-CLDN6/9 recombinant antibody (CSB-RA005508MA1HU). The EC_{50} is 2.812-3.524 ng/mL.

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.