

Claudin-18.2(CLDN18.2)-Detergent Recombinant Protein | CLDN18.2 recombinant protein

Recombinant Human Claudin-18.2(CLDN18.2)-Detergent (Active)

CATALOG # AAA279394	HOST Mammalian cell
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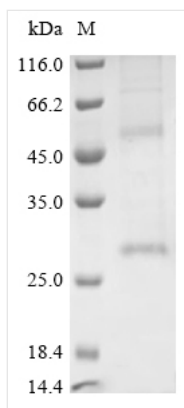
PRODUCT SYNONYMS

Claudin-18.2(CLDN18.2)-Detergent; Recombinant Human Claudin-18.2(CLDN18.2)-Detergent (Active); (CLDN18.2); CLDN18.2 recombinant protein

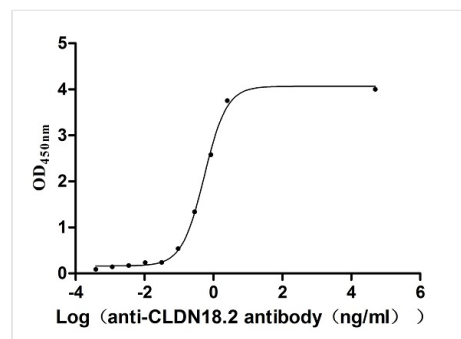
PRODUCT SPECIFICATIONS

Host	Mammalian cell
Purity/Purification	Greater than 80% as determined by SDS-PAGE.
Form/Format	Liquid. 50 mM HEPES, 0.15 M NaCl, 0.05% DDM, 0.01% CHS, pH7.5
Sequence	MAVTACQGLG FVVSILIGAG IIAATCMDQW STQDLNNPV TAVFNYQGLW RSCVRESSGF TECRGYFTLL GLPAMLQAVR ALMIVGIVLG AIGLLVSIFA LKCIRIGSME DSAKANMTLT SGIMFIVSGL CAIAGVSVFA NMLVTNFWMS TANMYTGMGG MVQTVQTRYT FGAALFVGWV AGGLTLIGGV MMCIACRGLA PEETNYKAVS YHASGHSVAY KPGGFKASTG FGSNTKNKKI YDGGARTEDE VQSYPKHDY V
Sequence Length	1-261aa; Full Length of Isoform A2
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged
Transmembrane Domain	4TM
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human CLDN18.2 at 5ug/mL on an Nickel Coated plate can bind Anti-CLDN18.2 recombinant antibody , the EC50 is 0.4640-0.6372ng/mL.
Preparation and 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 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

IMAGES



Bioactivity



SDS-PAGE

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

ADDITIONAL INFORMATION

Related Product Information for CLDN18.2 recombinant protein	Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.
Product Categories/Family for CLDN18.2 recombinant protein	Signal Transduction
References	"Claudin-18 splice variant 2 is a pan-cancer target suitable for therapeutic antibody development."Sahin U., Koslowski M., Dhaene K., Usener D., Brandenburg G., Seitz G., Huber C., Tuereci O.Clin. Cancer Res. 14:7624-7634(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	50345279
NCBI GeneID	51208
NCBI Accession #	NP_001002026.1
NCBI GenBank Nucleotide #	NM_001002026.2
UniProt Accession #	P56856 ; Q96PH4 ; A5PL21
Molecular Weight	27,856 Da
NCBI Official Full Name	claudin-18 isoform 2
NCBI Official Synonym Full Names	claudin 18
NCBI Official Symbol	CLDN18
NCBI Official Synonym Symbols	SFTA5; SFTPJ; DKFZp564B2062
NCBI Protein Information	claudin-18; OTTHUMP00000216399; OTTHUMP00000216400; surfactant associated 5; surfactant associated protein J; surfactant, pulmonary associated protein J
UniProt Protein Name	Claudin-18
UniProt Gene Name	CLDN18
UniProt Entry Name	CLD18_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/cldn18-recombinant-protein-mammalian/279394>