

Cadherin-6 (CDH6) Active Protein | CDH6 active protein

Recombinant Human Cadherin-6 (CDH6), partial (Active)

CATALOG #
AAA279201

HOST
Mammalian cell

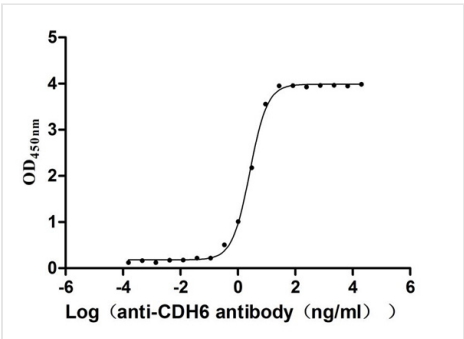
PRODUCT SYNONYMS

Cadherin-6 (CDH6); Recombinant Human Cadherin-6 (CDH6); partial (Active); Kidney cadherin; K-cadherin; CDH6 active protein

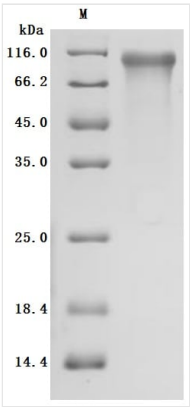
PRODUCT SPECIFICATIONS

Host	Mammalian cell
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um sterile filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0.
Sequence Positions	54-615aa; Partial
Sequence	SWMWNQFFLL EEYTGSDYQY VGKLHSDQDR GDGSLKYILS GDGAGDLFII NENTGDIQAT KRLDREEKPV YILRAQAINR RTGRPVEPES EFIIKIHDIN DNEPIFTKEV YTATVPEMSD VGTFVVQVTA TDADDPYGN SAKVVSILQ GQPYFSVESE TGIKTALLN MDRENREQYQ VVIQAKDMGG QMGGLSGTTT VNITLTDVND NPPRFPQSTY QFKTPRESSPP GTPIGRIKAS DADVGENAEI EYSITDGEGL DMFDVITDQE TQEGIITVKK LLDFEKKKVY TLKVEASNPY VEPRFLYLGP FKDSATVRIV VEDVDEPPVF SKLAYILQIR EDAQINTTIG SVTAQDPDAA RNPVKYSVDR HTDMDRIFNI DSGNGSIFTS KLLDRETLW HNITVIATEI NNPQSSSRVP LYIKVLDVND NAPEFAEFYE TFCCEKAKAD QLIQTLHAVD KDDPYSGHQF SFSLAPEAAS GSNFTIQDNK DNTAGILTRK NGYNRHEMST YLLPVVISDN DYPVQSSTGT VTVRVCACDH HGNMQSCHAE ALIHPTGLST GAS
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Cancer
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human CDH6 at 2 ug/mL can bind Anti-CDH6 recombinant antibody. The EC50 is 2.421-2.802 ng/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. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. 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 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

IMAGES



Bioactivity
Measured by its binding ability in a functional ELISA. Immobilized Human CDH6 at 2?g/mL can bind Anti-CDH6 recombinant antibody, the EC50 is 2.421-2.802 ng/mL.



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

ADDITIONAL INFORMATION

Related Product Information for CDH6 active protein	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types.
Product Categories/Family for CDH6 active protein	In Stock Protein
References	"Isolation and sequence analysis of human cadherin-6 complementary DNA for the full coding sequence and its expression in human carcinoma cells."Shimoyama Y., Gotoh M., Terasaki T., Kitajima M., Hirohashi S.Cancer Res. 55:2206-2211 (1995)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826673
NCBI GeneID	1004
NCBI Accession #	NP_004923
NCBI GenBank Nucleotide #	NM_004932
UniProt Accession #	P55285; Q9BWS0; A8K5H5
Molecular Weight	73,864 Da
NCBI Official Full Name	cadherin-6 preproprotein
NCBI Official Synonym Full Names	cadherin 6, type 2, K-cadherin (fetal kidney)
NCBI Official Symbol	CDH6
NCBI Official Synonym Symbols	CAD6; KCAD
NCBI Protein Information	cadherin-6
UniProt Protein Name	Cadherin-6
UniProt Gene Name	CDH6
UniProt Synonym Gene Names	K-cadherin
UniProt Entry Name	CADH6_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.

