

CDH1/E-Cadherin/CD324 Recombinant Protein | CDH1 recombinant protein

Recombinant Human CDH1/E-Cadherin/CD324 Protein

CATALOG # AAA282511	HOST HEK293 cells
-------------------------------	-----------------------------

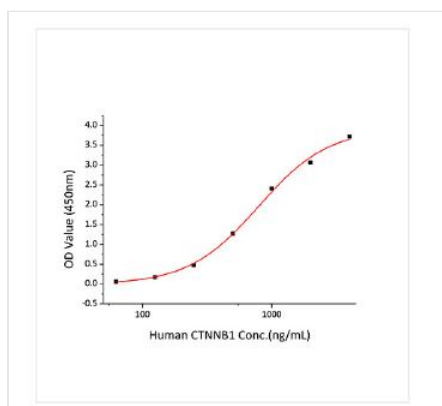
PRODUCT SYNONYMS

CDH1/E-Cadherin/CD324; Recombinant Human CDH1/E-Cadherin/CD324 Protein; Arc-1; CD324; CDHE; ECAD; LCAM; UVO; CDH1; E-Cadherin; cadherin-1; E Cadherin; CDH1 recombinant protein

PRODUCT SPECIFICATIONS

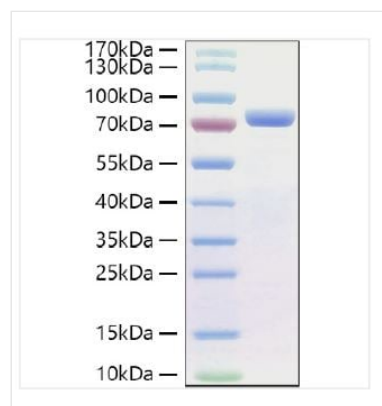
Host	HEK293 cells
Purity/Purification	> 95% by SDS-PAGE.
Form/Format	Liquid Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Species	Human
Endotoxin	< 0.1 EU/ug of the protein by LAL method.
Tag	C-His
Bioactivity	1. Measured by its binding ability in a functional ELISA. Immobilized Human CDH1 at 1 ug/mL (100 uL/well) can bind Human CTNNB1 with a linear range of 0.1-0.78 ug/mL. 2. Measured by the ability of the immobilized protein to support the adhesion of MCF-7 human breast adenocarcinoma cells. When cells are added to E-Cad coated plates (5 ug/mL, 100 uL/well), >12 % will adhere specifically after 90 minutes at 37 degree C.
Preparation and Storage	Store the lyophilized protein at -20 to -80 degree C for 12 months. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week. Avoid repeated freeze/thaw cycles. Ship: Ice Pack

IMAGES



Application Data

Immobilized recombinant Human CDH1 at 1 ug/mL (100 uL/well) can bind Human CTNNB1 with a linear range of 0.1-0.78ug/mL.



SDS-PAGE

Active Recombinant Human CDH1/ECadherin/ CD324 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 70-85kDa.

ADDITIONAL INFORMATION

Related Product Information for CDH1 recombinant protein	Recombinant Human CDH1/E-Cadherin/CD324 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp155-Ala709) of human E-Cadherin/Cadherin-1 (Accession #NP_004351.1) fused with a 6×His tag at the C-terminus.
Product Categories/Family for CDH1 recombinant protein	Bio-Markers & CD Antigens

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757960
NCBI GeneID	999
NCBI Accession #	NP_004351.1
NCBI GenBank Nucleotide #	NM_004360.3
UniProt Accession #	P12830; Q13799; Q14216; Q15855; Q16194; Q4PJ14; A8K1U7
Molecular Weight	97,456 Da
NCBI Official Full Name	cadherin-1 preproprotein
NCBI Official Synonym Full Names	cadherin 1, type 1, E-cadherin (epithelial)
NCBI Official Symbol	CDH1
NCBI Official Synonym Symbols	UVO; CDHE; ECAD; LCAM; Arc-1; CD324
NCBI Protein Information	cadherin-1; CAM 120/80; E-Cadherin; uvomorulin; cell-CAM 120/80; epithelial cadherin; cadherin 1, E-cadherin (epithelial); calcium-dependent adhesion protein, epithelial
UniProt Protein Name	Cadherin-1
UniProt Gene Name	CDH1
UniProt Synonym Gene Names	CDHE; UVO; E-cadherin
UniProt Entry Name	CADH1_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.