

Datasheet for ABIN5854789

Cadherin 5 Protein (CDH5) (AA 29-599) (hIgG-His-tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	Cadherin 5 (CDH5)
Protein Characteristics:	AA 29-599
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cadherin 5 protein is labelled with hIgG-His-tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	<p>NPAQRDTHSL LPTHRRQKRD WIWNQMHIDE EKNTSLPHHV GKI KSSVSRK NAKYLLKGEY VGKVFVRVDAE TGDVFAIERL DRENISEYHL TAVIVDKDTG ENLETPSSFT IKVHDVNDNW PVFTHRLFNA SVPESAVGT SVISVAVDA DDPTVGDHAS VMYQILKGKE YFAIDNSGRI ITITKSLDRE KQARYEIVVE ARDAQGLRGD SGTATVLVTL QDINDNFPFF TQTKYTFVVP EDTRVGTSVG SLFVEDPDEP QNRMTKYSIL RGDYQDAFTI ETNPAHNEGI IKPMKPLDYE YIQQYSFIVE ATDPTIDRLY MSPPAGNRAQ VIINITDVDE PPIFQQPFYH FQLKENQKKP LIGTVLAMDP DAARHSIGYS IRRSDKGQF FRVTKKGDYI NEKELDREYV PWYNLTVEAK ELDSTGTPTG KESIVQVHIE VLDENDNAPE FAKPYQPKVC ENAVHGQLVL QISAIDKIDIT PRNVKFKFIL NTENNFTLTD NHDNTANITV KYGQFDREHT KVHFLPVVIS DNGMPSRTGT STLTVAVCKC NEQGEFTFCE DMAAQVGVSI QLEPKSCDKT HTCPCPAPE LLGGPSVFLF PPKPKDTLMI SRTPEVTCVV VDVSHEDPEV KFNWYVDGVE VHNAKTKPRE EQYNSTYRVV SVLTVLHQDW LNGKEYKCKV SNKALPAPIE KTISKAKGQP REPQVYTLPP SRDELTKNQV</p>
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Product Details

SLTCLVKGFY PSDIAVEWES NGQPENNYKT TPPVLDSGDG FFLYSKLTVD KSRWQQGNVF
SCSVMHEALH NHYTQKSLSL SPGKHHHHHH

Purity: > 90 % by SDS - PAGE

Endotoxin Level: < 1.0 EU per 1 microgram of protein (determined by LAL method)

Target Details

Target: Cadherin 5 (CDH5)

Alternative Name: CDH5 ([CDH5 Products](#))

Background: CDH5, as known as cadherin-5, is a member of the atypical/type 2 subgroup of Cadherin homophilic adhesion proteins. This protein plays a role in the formation, maturation and remodeling of the vascular wall. It is widely considered to be specific for vascular endothelia in which it is either the sole or the predominant cadherin, often co-existing with N-cadherin. Also, this protein regulates or is regulated by VEGF R2, type 1 and type 2 TGF-beta receptors, and other endothelial junction proteins such as JAM-C, Claudin-5, and N-Cadherin. Recombinant human CDH5, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 91.5kDa (810aa) 70-100kDa (SDS-PAGE under reducing conditions.)

NCBI Accession: [NP_001786](#)

UniProt: [P33151](#)

Pathways: [Cell-Cell Junction Organization, Signaling Events mediated by VEGFR1 and VEGFR2](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

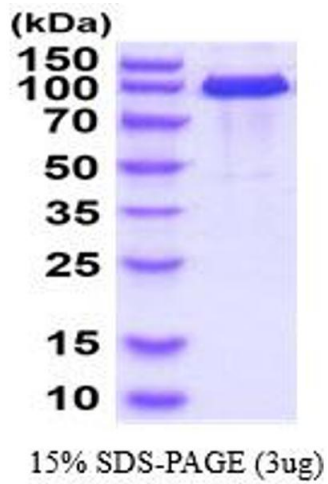
Buffer: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.

Storage: 4 °C,-20 °C,-80 °C

Handling

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Images



SDS-PAGE

Image 1.