

Product information

CDH5, 29-599aa

Human, hlgG-His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3506

Full name: Cadherin-5

NCBI Accession No.: NP_001786

Synonyms: CDH5, 7B4, CD144

Description: 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 hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

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

Molecular Weight: 91.5kDa (810aa)

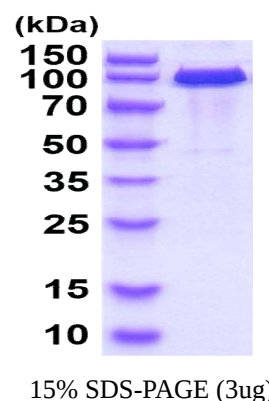
70-100kDa (SDS-PAGE under reducing conditions.)

Predicted N terminal: Asn29

Purity: > 90% by SDS - PAGE.

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

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



Sequences of amino acids:

NPAQRDTHSL LPTHRQKRD WIWNQMHIDE EKNTSLPHHV GKI KSSVSRK NAKYLLKGEY VGK VFRVDAE TGDVFAIERL DRENISEYHL
TAVIVDKDTG ENLETSSFT IKVHDVNDNW PVFTHRLFNA SVPESAVGT SVISVTAVDA DDPTVGDHAS VMYQILKGKE YFAIDNSGRI
ITITKSLDRE KQARYEIVVE ARDAQGLRGD SGTATVLVTL QDINDNFPFF TQTKYTFVVP EDTRVGTSVG SLFVEDPDEP QNRMTKYSIL
RGDYQDAFTI ETNPAHNEG I KPMKPLOYE YIQQYSFIVE ATDPTIDLRY MSPPAGNRAQ VIINITDVDE PPIFQQPFYH FQLKENQKKP
LIGTVLAMDP DAARHSIGYS IRRTSKGGQF FRVTKKGDIY NEKELDREYV PWYNLTVEAK ELDSTGTPTG KESIVQVHIE VLDENDNAPE
FAKPYQPKVC ENAVHGQLVL QISAIDKDI T PRNVKFKFIL NTENNFTLTD NHDNTANITV KYGQFDREHT KVHFLPVVIS DNGMPSRTGT
STLTVAVCKC NEQGEFTFCE DMAAQVGVS I QLEPKSCDKT HTCPPCPAPE LLGGPSVFLF PPKPKDTLMI SRTPEVTCV VDVSHEDPEV
KFNWYVDGVE VHNATKPRE EQYNSTYRVV SVLTVLHQDW LNGKEYKCKV SNKALPAPIE KTISKAKGQP REPQVYTLPP SRDELTKNQV
SLTCLVKGFY PSDIAVEWES NGQPENNYKT TPPVLDSGDS FFLYSLKLTVD KSRWQQGNVF SCSVMHEALH NHYTQKSLSL SPGKHIIHHH

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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General references:

Yan Z., *et al*, (2016) *Arterioscler. Thromb. Vasc. Biol.* 36:339-349.

Timmerman I., *et al*, (2015) *J. Cell. Sci.* 128:3041-3054.

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

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Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)

8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA

Phone: (888) 523-1246

Fax.: (763) 780-2988

Email: info@ibl-america.com

Web: www.ibl-america.com