

Product information

Cadherin-5, 25-599aa

Mouse, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3209

NCBI Accession No.: NP_033998

Synonyms: Cdh5, 7B4, AA408225, Cd144, VE-Cad, Vec, VEcad, VECD

Description: CDH5, also known as cadherin-5, is a classical cadherin from the cadherin superfamily and the gene is located in a six-cadherin cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein composed of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Functioning as a classic cadherin by imparting to cells the ability to adhere in a homophilic manner, the protein may play an important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. Recombinant mouse CDH5, fused to 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.

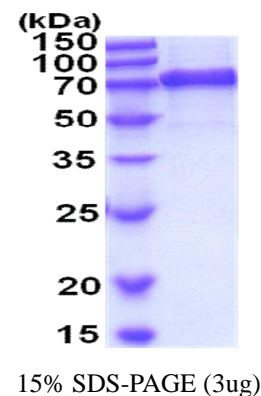
Molecular Weight: 66.2kDa (583aa)
70-100kDa (SDS-PAGE under reducing conditions)

Predicted N terminal: Gly25

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:

GNPFPQIDTP NMLPAHHRQK RDWIWNQMHI DEEKNESLPH YVGKIKSNVN RQNAKYVLQG EFAGKIFGVD ANTGNVLAYE RLDREKVSEY
 FLTALIVDKN TNKNLEQPSS FTVKVHDIIND NWPVFSHQVF NASVPEMSAI GTSVIRVTAV DADDPTVAGH ATVLYQIVKG NEYFSIDNSG
 LIFTKIKNLD REKQAEYKIV VETQDALGLR GESGTATVMI RLEDINDNFP VFTQSTYTF S VPEDIRVGKP LGFLTVDVDPD EPQNRMTKYS
 IMQGEYRDTF TIETDPKRNE GIIKPTKSLD YEVIQQYTFY IEATOPTIRY EYLSSTSGKN KAMVTINVL D VDEPPVFQRH FYHFKL PENQ
 KKPLIGTVVA KDPDKAQRSI GYSIRKTS DR GQFFRITKQG NIYNEKELDR ETYAWYNLTV EANELDSRGN PVGKESIVQV YIEVLDENDN
 PPEFAQPYEP KVCENAAQ GK LVVQISATDK DVVPVNP KFK FALKNEDSNF TLINNHONTA NITVKYGGQFN REHAKFH YLP VLISONGVPS
 LTGTSTLTVG VCKCNEQG EF TFCEEMAAQA GVS IQLEHHH HHH

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



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

Product information

General references:

Matsuyoshi N., *et al.* (1997) *Proc Assoc Am Physicians*. 109:362-371.

Duguay D., *et al.* (2003) *Dev Biol*. 253:309-23.

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.

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



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