Recombinant Mouse Cdh5 Protein, His-tagged

Cat. No. Cdh5-7173M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cdh5 protein with a His tag was expressed in insect cells.
Species	Mouse
Source	Insect Cells
ProteinLength	25-599
Description	This gene encodes a member of the cadherin family of calcium-dependent glycoproteins that mediate cell adhesion and regulate many morphogenetic events during development. The encoded preproprotein is further processed to generate a mature protein. Mice lacking the encoded protein die in utero due to vascular insufficiency, caused by increased endothelial apoptosis. Multiple distinct genes of the cadherin family, including this gene, are found on chromosome 8.
Form	Liquid
Molecular Mass	66.2 kDa
AA Sequence	GPNFPQIDTPNMLPAHHRQKRDWIWNQMHIDEEKNESLPHYVGKIKSNVNRQNAKY VLQGEFAGKIFGVDANTGNVLAYERLDREKVSEYFLTALIVDKNTNKNLEQPSSFTVK VHDINDNWPVFSHQVFNASVPEMSAIGTSVIRVTAVDADDPTVAGHATVLYQIVKGN EYFSIDNSGLIFTKIKNLDREKQAEYKIVVETQDALGLRGESGTATVMIRLEDINDNFP VFTQSTYTFSVPEDIRVGKPLGFLTVVDPDEPQNRMTKYSIMQGEYRDTFTIETDPK RNEGIIKPTKSLDYEVIQQYTFYIEATDPTIRYEYLSSTSGKNKAMVTINVLDVDEPPVF

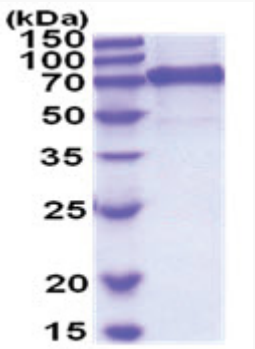
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	QRHFYHFKLPENQKKPLIGTVVAKDPDKAQRSIGYSIRKTSDRGQFFRITKQGNIYNE KELDRETYAWYNLTVEANELDSRGNPVGKESIVQVYIEVLDENDNPPEFAQPYEPKV CENAAQGKLVVQISATDKDVVPVNPKFKFALKNEDSNFTLINNHDNTANITVKYGQF NREHAKFHYLPVLISDNGVPSLTGTSTLTVGVCKCNEQGEFTFCEEMAAQAGVSIQL EHHHHHH
Endotoxin	< 1.0 EU/μg of protein (determined by LAL method)
Purity	> 90 % by SDS-PAGE
Stability	Shelf life: one year from despatch.
Storage	Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.
Concentration	0.5 mg/mL (determined by absorbance at 280nm)
Storage Buffer	Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.

GENE INFORMATION

Gene Name	Cdh5 cadherin 5 [Mus musculus (house mouse)]
Official Symbol	Cdh5
Synonyms	Cdh5; cadherin 5; VE; 7B4; Vec; VE-C; VECD; Cd144; VEcad; VE-Cad; AA408225; cadherin-5; 7B4/cadherin-5; VE-cadherin; vascular endothelial cadherin
Gene ID	12562
mRNA Refseq	NM_009868

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Protein Refseq	NP_033998
UniProt ID	P55284
SDS-PAGE	 15% SDS-PAGE (3ug)

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