

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	GPNFPQIDTPNMLPAHHRQKRDWIWNQMHI DEEKNESLPHYVGKIKSNVNRQNAKY VLQGEFAGKIFGVDANTGNVLAYERLDREKVSEYFLTALIVDKNTNKNLEQPSSFTVK VHDINDNWPVFSHQVFNASVPEMSAIGTSVIRVTAVDADDPTVAGHATVLYQIVKGN EYFSIDNSGLIFTKIKNLDREKQAEYKIVVETQDALGLRGESGTATVMIRLEDINDNFP VFTQSTYTFSPEDIRVGKPLGFLT VVDPDEPQNRMTKYSIMQGEYRDTFTIETDPK RNEGIKPTKSLDYEVIQQYTFYIEATDPTIRYEYLSSTSGKNKAMVTINVLDVDEPPVF

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QRHFYHFKLPENQKKPLIGTVVAKDPDKAQRSIGYSIRKTS DRGQFFRITKQGNIIYNE
 KELDRETYAWYNLTVEANELDSRGNPVGKESIVQVYIEVL DENDNPPEFAQPYEPKV
 CENAAQGKLVVQISATDKDVVPVNP KFKFALKNEDSNFTLINNHDNTANITVKYGQF
 NREHAKFHLYLPVLISDNGVPSLTGTSTLTVGVCKCNEQGEFTFCEEMAAQAGVSIQL
 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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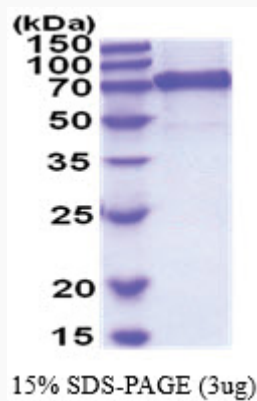
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Protein Refseq NP_033998

UniProt ID P55284

SDS-PAGE



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