

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 VLQGEFAGKIFGVDANTGNV LAYERLDREKVSEYFLTALIVDKNTNKNLEQPSSFTVK VHDINDNWPVFSHQVFNASVPEMSAIGTSVIRVTAVDADDPTVAGHATVLYQIVKGN EYFSIDNSGLIFTKIKNLDREKQAEYKIVVETQDALGLRGESGTATVMIRLEDINDNFP VFTQSTYTFSPEDIRVGKPLGFLT VVDPDEPQNRMTKYSIMQGEYRDTFTIETDPK RNEGIKPTKSLDYEVIQQYTFYIEATDPTIRYEYLSSTSGKNKAMVTINVLVDVDEPPVF

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QRHFYHFKLPENQKKPLIGTVVAKDPDKAQRSIGYSIRKTS DRGQFFRITKQGNIYNE
 KELDRETYAWYNLTVEANELDSRGNPVGKESIVQVYIEVL DENDNPPEFAQPYEPKV
 CENAAQGKLVVQISATDKDVVPVNPKFKFALKNEDSNFTLINNH DNTANITVKYGQF
 NREHAKFHYPVLISDNGVPSLTGTSTLTVGVCKCNEQGEFTFCEEMAAQAGVSIQL
 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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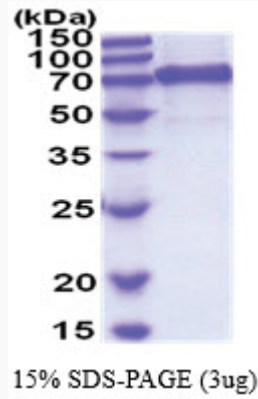
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Protein Refseq NP_033998

UniProt ID P55284

SDS-PAGE



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