

Recombinant Mouse Cdh5 protein, His & T7-tagged

Cat. No. Cdh5-6863M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cdh5 aa. (Gly67~Gly390 (Accession # P55284)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Gly67~Gly390
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 40.4kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.3.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Cdh5 cadherin 5 [Mus musculus (house mouse)]
Official Symbol	Cdh5
Synonyms	7B4; Vec; VECD; Cd144; VEcad; VE-Cad; AA408225; 7B4/cadherin-5; VE-cadherin; vascular endothelial cadherin; cadherin-5
Gene ID	12562
mRNA Refseq	NM_009868.4
Protein Refseq	NP_033998.2

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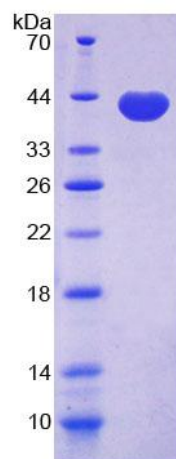
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UniProt ID

P55284

SDS-PAGE

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