

Recombinant Rat CDH5 protein(Met1-Gln585), His-tagged

Cat. No. CDH5-1145R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat CDH5 (NP_001100877.1) (Met1-Gln585) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Gln585
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant rat CDH5 comprises 572 amino acids and predicts a molecular mass of 65.1 kDa. The apparent molecular mass of the recombinant protein is approximately 91 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 70 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Cdh5 cadherin 5 [Rattus norvegicus]
Official Symbol	CDH5
Synonyms	CDH5; cadherin 5; cadherin-5; VE-cadherin; vascular endothelial cadherin;
Gene ID	307618
mRNA Refseq	NM_001107407
Protein Refseq	NP_001100877

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