

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

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

SPECIFICATION

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|-------------------------|---|
| 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

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|------------------------|---|
| 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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