Recombinant Human CDH9 Protein, Fc Tagged

Cat. No. CDH9-11252H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Cadherin-9 Protein, Fc Tag is expressed from human 293 cells (HEK293). It contains AA Gly 54-Ala 615 (Accession # Q9ULB4-1). This protein carries a human IgG1 Fc tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	54-615 aa
Description	Cadherin-9 (CDH9) is a member of the larger Cadherin superfamily of cell surface glycoproteins originally identified as proteins mediating cell-cell adhesion. Cadherins are a large family of cell –cell adhesion molecules involved in inter-cellular adhesion in a wide variety of cell types. In the nervous system, cadherins are known to be crucial to all stages of development, including the early separation of the neural tube from the ectoderm, the segregation of neurones and axons, and the formation of synapses.
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 89.1 kDa. The protein migrates as 95-120 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.

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Purity	>90% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CDH9 cadherin 9, type 2 (T1-cadherin) [Homo sapiens (human)]
Official Symbol	CDH9
Synonyms	CDH9; cadherin 9, type 2 (T1-cadherin); cadherin-9; T1-cadherin; MGC125386;
Gene ID	1007
mRNA Refseq	NM_016279
Protein Refseq	NP_057363
MIM	609974
UniProt ID	Q9ULB4

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