

Recombinant Mouse Cldn9 Protein, Myc/DDK-tagged

Cat. No. Cldn9-2180M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length claudin 9 (Cldn9), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This intronless gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. This gene is developmentally regulated; it is expressed in neonate kidney, but disappears by adulthood. It is required for the preservation of sensory cells in the hearing organ and the gene deficiency is associated with deafness.
Molecular Mass	23.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Cldn9 claudin 9 [Mus musculus (house mouse)]
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Official Symbol	Cldn9
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Synonyms	CLDN9; claudin 9; claudin-9; nmf329
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Gene ID	56863
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mRNA Refseq	NM_020293
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Protein Refseq	NP_064689
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UniProt ID	Q9Z0S7
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