

## Product datasheet for **TP308701M**

### Claudin 9 (CLDN9) (NM\_020982) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human claudin 9 (CLDN9), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC208701 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MASTGLELLGMTLAVLGWLGTLVSCALPLWKVTAFIGNSIWAQVWVEGLWMSCVVQSTGQMCKVYDSL  
LALPQDLQAARALCVIALLLALLGLLVAITGAQCTTCVEDEGAKARIVLTAGVILLLAGILVLPVCWTA  
HAIIQDFYNPLVAEALKRELGASLYLGWAAAALLMLGGLLCCTCPPPQVERPRGPRLGYSIPSRSGASG  
LDKRDYV

**TR**TRPLE**Q**KLISEEDLA**AND**ILDY**K**DDDD**KV**

**Tag:** C-Myc/DDK

**Predicted MW:** 22.7 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_066192](#)

**Locus ID:** 9080

**UniProt ID:** [O95484](#)



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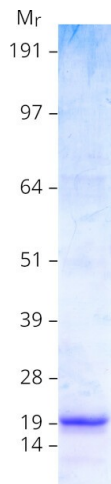
RefSeq Size: 2139  
Cytogenetics: 16p13.3  
RefSeq ORF: 651  
Synonyms: DFNB116

**Summary:** This 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 protein is one of the entry cofactors for hepatitis C virus. Mouse studies revealed that this gene is required for the preservation of sensory cells in the hearing organ and the gene deficiency is associated with deafness. [provided by RefSeq, Jun 2010]

**Protein Families:** Transmembrane

**Protein Pathways:** Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Tight junction

### Product images:



Coomassie blue staining of purified CLDN9 protein (Cat# [TP308701]). The protein was produced from HEK293T cells transfected with CLDN9 cDNA clone (Cat# [RC208701]) using MegaTran 2.0 (Cat# [TT210002]).