

Product datasheet for **TP308701**

Claudin 9 (CLDN9) (NM_020982) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human claudin 9 (CLDN9), 20 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

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

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

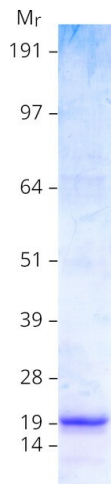
Synonyms: DFNB116

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]).