OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH308701

Claudin 9 (CLDN9) (NM_020982) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CLDN9 MS Standard C13 and N15-labeled recombinant protein (NP_066192)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208701
Predicted MW:	22.8 kDa
Protein Sequence:	>RC208701 protein sequence Red=Cloning site Green=Tags(s) MASTGLELLGMTLAVLGWLGTLVSCALPLWKVTAFIGNSIVVAQVVWEGLWMSCVVQSTGQMQCKVYDSL LALPQDLQAARALCVIALLLALLGLLVAITGAQCTTCVEDEGAKARIVLTAGVILLLAGILVLIPVCWTA HAIIQDFYNPLVAEALKRELGASLYLGWAAAALLMLGGGLLCCTCPPPQVERPRGPRLGYSIPSRSGASG LDKRDYV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_066192
RefSeq Size:	2139
RefSeq ORF:	651
Synonyms:	DFNB116
Locus ID:	9080
UniProt ID:	O95484

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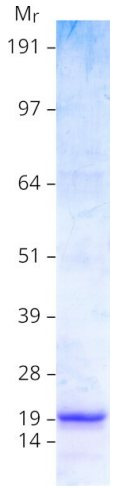
Cytogenetics: 16p13.3

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]).