

Product datasheet for **TP525404**

Cldn1 (NM_016674) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse claudin 1 (Cldn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR225404 representing NM_016674 Red =Cloning site Green =Tags(s)
	 MANAGLQLLGFILASLWIGSIVSTALPQWKIYSYAGDNIVTAQAIYEGLWMSCVSQSTGQIQCKVFDSL LNLNSTLQATRALMVIGILLGLIAIFVSTIGMKCMRCLLEDDEVQKMWMAVIGGIIFLISGLATLVATAWY GNRIVQEFYDPLTPINARYEFGQALFTGWAAASLCLLGGVLLSCSCPRTTTSYPTPRPYKPTPSSGKDY V TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	23.3 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
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 after receiving vials.
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_057883
Locus ID:	12737
UniProt ID:	O88551 , Q4FJV3
RefSeq Size:	3263



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Cytogenetics: 16 B2

RefSeq ORF: 633

Synonyms: AI596271

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. The knockout mice lacking this gene die soon after birth as a consequence of dehydration from transdermal water loss, indicating that this gene is indispensable for creating and maintaining the epidermal barrier. The protein encoded by this gene also has gastric tumor suppressive activity, and is a key factor for hepatitis C virus (HCV) entry. [provided by RefSeq, Aug 2010]