

Product datasheet for TP524818

Cldn4 (NM_009903) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse claudin 4 (Cldn4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR224818 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MASMGQLQVLGISLAVLGWLGIIILSCALPMWRVTAFIGSNIVTAQTSWEGLWMNCVQSTGQMCKMYDSM
LALPQDLQAARALMVISIIVGALGMLLSVGGKCTNCMEDETVKAKIMITAGAVFIVASMLIMVPVSWTA
HNVIRDFYNPMVASGQKREMGASLYVGWAASGLLLLGGGLLCCSCPPRSNDKPYSAKYSAARSVPASNYY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	22.3 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_034033
Locus ID:	12740
UniProt ID:	O35054 , Q3UM35
RefSeq Size:	1827
Cytogenetics:	5 74.9 cM



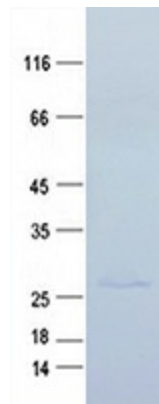
[View online »](#)

RefSeq ORF: 633

Synonyms: Cep-r; Cpe; Cpet; Cpetr; Cpetr1

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 protein encoded by this gene is a high-affinity receptor for clostridium perfringens enterotoxin (CPE) produced by the bacterium Clostridium perfringens, and the interaction with CPE results in increased membrane permeability by forming small pores in plasma membrane. This protein augments alveolar epithelial barrier function and is induced in acute lung injury. It is highly expressed in pancreatic and ovarian cancers. [provided by RefSeq, Aug 2010]

Product images:



Purified recombinant protein Cldn4 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.