

## Product datasheet for TP305295L

### TJP2 (NM\_004817) Human Recombinant Protein

#### Product data:

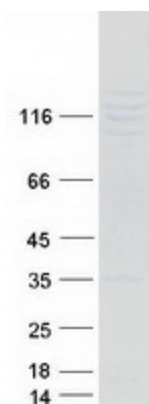
<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human tight junction protein 2 (zona occludens 2) (TJP2), transcript variant 1, 1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC205295 representing NM_004817 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MPVRGDRGFPPRRELSGWLRLAPGMEELIWEQYTVTLQKDSKRGFGIAVSGGRDNPHFENGETSIVISDVL          PGGPADGLLQENDRVVMVNGTPMEDVLHSAVQQLRKSGKVAIVVVRPRKVVQVAALQASPLDQDDRAF          EVMDEFDGRSFRSGYSERSRLNSHGGRSRWEDSPERGRPHERARSRERDLRDRSRGRSLERGLDQDHA          RTRDRSRGRSLERGLDHDGFSRDRDRDRSRGRSIDQDYERAYHRAVDYERAYSPEYRRGARHDARSR          GPRSRREHPSRSPSPEPRGRPGPIGVLLMKSANEEYGLRLGSIQIVKEMTRTGLATKDGNLHEGDII          LKINGTVTENMSLTDARKLIEKSRGKQLVLRDSSQQLINIPSLNDSSEIEDISEIESNRSFSPEERR          HQYSDYDYHSSSEKLERPSSREDTPSRLSRMGATPTPFKSTGDIAGTVVPETNKEPRYQEDPPAPQPKA          APRTFLRSPPEDEAIYGPNTKMVRFKKGDSVGLRLAGGNDVGFVAGIQEGTSAEQEGLQEGDQILKVNT          QDFRGLVREDAVLYLLEIPKGMVTLAQRADVYRDILACGRGDSFFIRSHFECEKETPQSLAFTRGEV          FRVVDTLYDGLGNWLAVRIGNELEKGLIPNKSRAEQMASVQNAQRDNAGDRADFWRMRGQRSGVKKNL          KSREDLTAVVSVSTKFPAYERVLLREAGFKRPVVLFGPIADIAMEKLANELPDWFQTAKTEPKDAGSEKS          TGVVRLNTRVQIIEQDKHALLDVTPKAVDLLNYTQWFPVIVFFNPDSRQGVKTMQRQLNPTSNNKSSRKL          DQANKLKKCAHLFTATINLNSANDSWFGSLKDTIQHQQGEAVVWSEGKMEGMDDDPEDRMSYLTAMGAD          YLSCDSRLISDFEDTDGEGGAYTDNELDEPAEEPLVSSITRSSEPVQHEESIRKPSPEPRAQMRAASSD          QLRDNSPPPAFKPEPPKAKTQNKESYDFSKSYEYKSNPSAVAGNETPGASTKGYPPPVAAKPTFGRSIL          KPSTPIPPQEGEEVGESSEEQDNAPKSVLGVKVFIFEKMDHKARLQRMQELQEAQNARIEIAQKHPDIYAV          PIKTHKPDGTPQHTSSRPPEPQKAPSRPYQDTRGSYGSDAEEEEYRQQLSEHSGRGGYQGSARYRDTTEL</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	133.8 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining



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<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_004808</a>
<b>Locus ID:</b>	9414
<b>UniProt ID:</b>	<a href="#">Q9UDY2</a> , <a href="#">A2A3H9</a>
<b>RefSeq Size:</b>	4618
<b>Cytogenetics:</b>	9q21.11
<b>RefSeq ORF:</b>	3570
<b>Synonyms:</b>	C9DUPq21.11; DFNA51; DUP9q21.11; FHCA1; PFIC4; X104; ZO2
<b>Summary:</b>	This gene encodes a zonula occluden that is a member of the membrane-associated guanylate kinase homolog family. The encoded protein functions as a component of the tight junction barrier in epithelial and endothelial cells and is necessary for proper assembly of tight junctions. Mutations in this gene have been identified in patients with hypercholanemia, and genomic duplication of a 270 kb region including this gene causes autosomal dominant deafness-51. Alternatively spliced transcripts encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]
<b>Protein Pathways:</b>	Tight junction, Vibrio cholerae infection

### Product images:



Coomassie blue staining of purified TJP2 protein (Cat# [TP305295]). The protein was produced from HEK293T cells transfected with TJP2 cDNA clone (Cat# [RC205295]) using MegaTran 2.0 (Cat# [TT210002]).