

Product datasheet for TP305295

TJP2 (NM_004817) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human tight junction protein 2 (zona occludens 2) (TJP2), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205295 representing NM_004817 Red =Cloning site Green =Tags(s)

MPVRGDRGFPPRRELSGWLRLAPGMEELIWEQYTVTLQKDSKRGFGIAVSGGRDNPHFENGETSIVISDVL
PGGPADGLLQENDRVVMVNGTPMEDVLHSFAVQQLRKSGKVAIVKRPRKVQVAALQASPPLDQDDR
AF
EVMDEFDGRSFRSGYSERSRLNSHGGRSRSWEDSPERGRPHERARSRERDLRDRSRGRSLERGLDQDHA
RTRDRSRGRSLERGLDHDGFSRDRDRDRSRGRSIDQDYERAYHRAYDPDYERAYSPEYRRGARHDARSR
GPRSRSRREHPHSRSPSPEPRGRPGPIGVLLMKSRANEYGLRLGSQLFVKEMTRTGLATKDGNLHEGDII
LKINGTVTENMSLTDARKLIEKSRGKLQLVLRDSQQTLINIPSLNDSDEIEDISEIENSRSFSPEERR
HQYSDYDYHSSSEKLERPSSREDTPSRLSRMGATPTPFKSTGDIAGTVPETNKEPRYQEDPPAPQPKA
APRTFLRPSPEDEAIYGPNTKMVRFKKGDSVGLRLAGGNDVGIFVAGIQEGTSAEQEGLQEGDQILKVNT
QDFRGLVREDAVLYLLEIPKEMVTLAQSRADVYRDILACGRGDSFFIRSHFECEKETPQSLAFTRGEV
FRVVDTLYDGKLGWNLAVRIGNELEKGLIPNKSRAEQMASVQNAQRDNAGDRADFWRMRGQRSGVKK
NLR
KSREDLTAVSVSTKFPAYERVLLREAGFKRPVVLFGPIADIAMEKLANELPDWFQTAKTEPKDAGSEKS
TGVVRLNTRQIIQDKHALLDVTPKAVDLLNYTQWFPVIVFFNPDSRQGVKTMQRNLNPTS NKSSRKL
DQANKLKKCAHLFTATINLNSANDSWFGSLKDTIQHQQGEAVVWSEGKMEGMDDDPEDRMSYLTAM
GAD
YLSCDSRLISDFEDTDGEGGAYTDNELDEPAEEPLVSSITRSSEPVQHEESIRKPSPEPRAQMRRRASSD
QLRDNSPPPAFKPEPPKAKTQNKESYDFSKSYEYKSNPSAVAGNETPGASTKGYPPPVAAKPTFGRSIL
KPSTPIPPQEGEEVGESSEEQDNAPKSVLGKVKIFEKMDHKARLQRMQELQEAQNARIEIAQKHPDIYAV
PIKTHKPDGTPQHTSSRPPEPQKAPSRPYQDTRGSYGSDAEEEEYRQQLSEHSKRGYYGQSARYRDEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	133.8 kDa



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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_004808
Locus ID:	9414
UniProt ID:	Q9UDY2
RefSeq Size:	4618
Cytogenetics:	9q21.11
RefSeq ORF:	3570
Synonyms:	C9DUPq21.11; DFNA51; DUP9q21.11; FHCA1; PFIC4; X104; ZO2
Summary:	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]
Protein Pathways:	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]).

