

Product datasheet for PH305295

TJP2 (NM_004817) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TJP2 MS Standard C13 and N15-labeled recombinant protein (NP_004808)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205295
Predicted MW:	133.8 kDa
Protein Sequence:	>RC205295 representing NM_004817 Red=Cloning site Green=Tags(s)

MPVRGDRGFPPREL SGWLRAPGMEELIWEQYTVTLQKDSKRGFGIAVSGGRDNPHFENGETSIVI SDVL
PGGPADGLLQENDRVVMVNGTPMEDVLHSFAVQQLRKSGKVAAIVVKRPRKVQVAALQASPLDQDDRAF
EVMDEFDGRSFRSGYSERSRLNSHGGRSRSWEDSPERGRPHERARSRERDL SRDRSRGRSLERGLDQDHA
RTRDRSRGRSLERGLDHDFGPSRDRDRDRSRGRSIDQDYERAYHRAYPDYERAYSPEYRRGARHDARSR
GPRSRSRHEPHSRSPSPEPRGRPGPIGVLLMKSRAEEYGLRLGSIQIFVKEMTRTGLATKGNLHEGDII
LKINGTVTENMSLTDARKLIEKSRGKQLVVL RDSQQT LINIPSLNDSSEIEDISEIESNRSFSPEERR
HOYSDYDYHSSSEKLERPSSREDTPSRLSRMGATPTPFKSTGDIAGTVVPETNKEPRYQEDPPAPQPKA
APRTFLRPSPEDEAIYGPNTKMFVRFKKGDSVGLRLAGGNDVGI FVAGIQEGTSAEQEGLQEGDQILKVNT
QDFRGLVREDAVLYLLEIPKGEMVTILAQSRADVYRDILACGRGDSFFIRSHFECEKETPQSLAFTRGEV
FRVYDTLYDGKLGWLA VRI GNELEKGLIPNKSRAEQMASVQNAQRDNAGDRADFWRMGRQSRGVKKNLR
KSREDLTA VVSVSTKFPAYERVLLREAGFKRPVVLFGPIADIAMEKLANELPDWFQTAKTEPKDAGSEKS
TGVVRLN TVRQIIEQDKHALLD VTPKAVDLLNYTQWFP I VIFFNPDSRQGVKTMQRQLNPTSNKSSRKL F
DQANKLKKTC AHLFTATINLNSANDSWFGSLKDTIQHQQGEAVVWSEGKMEGMDDDPEDRMSYL TAMGAD
YLSDCSRLISDFEDTDGEGGAYTDNELDEPAEEPLVSSI TRSSEP VQHEESIRKPSPEPRAQMRAASSD
QLRDNSPPPAFKPEPPKAKTQNKEESYDFSKSYEYKSNPSAVAGNETPGASTKGYPPPVAAKPTFGRSIL
KPSTPIPPQEGEEVGESSEEQDNAPKSVL GKVKIFEKMDHKARLQRMQELQEAQNARIEIAQKHPDIYAV
PIKTHKPDGTPQHTSSRPPEPQKAPSRPYQDTRGSGYSDAEEEEYRQLSEHSKRGYGGQSAARYRDTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

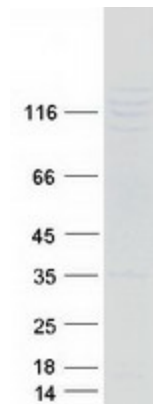
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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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_004808
RefSeq Size:	4618
RefSeq ORF:	3570
Synonyms:	C9DUPq21.11; DFNA51; DUP9q21.11; FHCA1; PFIC4; X104; ZO2
Locus ID:	9414
UniProt ID:	Q9UDY2 , A2A3H9
Cytogenetics:	9q21.11
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]).