

Product datasheet for TP313399L

Zonula occludens protein 3 (TJP3) (NM_014428) Human Recombinant Protein

Product data:

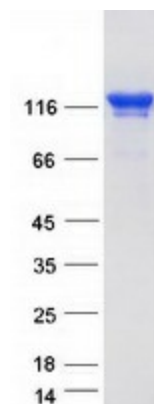
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human tight junction protein 3 (zona occludens 3) (TJP3), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213399 representing NM_014428 Red=Cloning site Green=Tags(s)
	<p>MNLCGLMPIFPAPLDQVADMEELTIWEQHTATLSKDPRRGFGIAISGGRDRPGGSMVSDVWPGGPAEGR LQTGDHIVMVNGVSMENATSAFAIQILKTCTKMANITVKRPRRIHLPATKASPSSPGRQDSEDDGDPQRV EEVDQGRGYDGDSSSGSRWDERSRRPRPGRRGRAGSHGRRSPGGSEANGLALVSGFKRLPRQDVQMK PVKSVLVKRRDSEEFVKLGSQIFIKHITDSGLAARHRGLQEGDLILQINGVSSQNLSLNDTRRLIEKSE GKLSLLVLRDRGQFLVNIPPAVSDSDSSPLEEGVTMADEMSSPPADISDLASELSQAPPSHIPPPRHAQ RSPEASQTDSPVESPRLRRESSVDSRTISEPDEQRSELPRESSYDIYRVPSSQSMEDRGYSPDTRVVRFL KGKSIGLRLAGGNDVGIFVSGVQAGSPADGGQIQEGDQILQVNDVPFQNLTREEAVQFLLGLPPGEEMEL VTQRKQDIFWKMVQSRVGFYIRTHFELEPSPSGLGFTRGDVFHVLDTLHPGPGQSHARGGHWLAVRM GRDLREQERGIIPNQSRAEQLASLEAAQRAVGVGPGSSAGSNARADEFWRLRGLRRGAKKTTQRSREDLA LTRQGRYPPYERVVLRASFKRPVILGPVADIAMQKLTAEPMQFEIAETVSRDTPSKIIKLDTVRVI AEKDKHALLDVTPSAIERLNYQYPIVVFIPESRPALKALRQWLAPASRRSTRRLYAQAQKLRKHSSH LFTATIPLNGTSDTWYQELKAIREQQTRPIWTAEDQLDGSLEDNLDLPHHGLADSSADLSCDSRVNSDY ETDGEYGAYTDGEGYTDGEGGPYTDVDEPPAPALARSEPVQADESQSPRDRGRISAHQGAQVDSRHPQ GQWRQDSMRTYEREALKKKFMRVHDAESSDEDDGYDWGPATDL</p> <p>SGPTRRRLLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	104.6 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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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_055243
Locus ID:	27134
UniProt ID:	O95049
RefSeq Size:	2859
Cytogenetics:	19p13.3
RefSeq ORF:	2856
Synonyms:	ZO-3; ZO3
Summary:	The protein encoded by this gene is a member of the membrane-associated guanylate kinase-like (MAGUK) protein family which is characterized by members having multiple PDZ domains, a single SH3 domain, and a single guanylate kinase-like (GUK)-domain. In addition, members of the zonula occludens protein subfamily have an acidic domain, a basic arginine-rich region, and a proline-rich domain. The protein encoded by this gene plays a role in the linkage between the actin cytoskeleton and tight-junctions and also sequesters cyclin D1 at tight junctions during mitosis. Alternative splicing results in multiple transcript variants encoding distinct isoforms. This gene has a partial pseudogene on chromosome 1. [provided by RefSeq, May 2012]
Protein Pathways:	Tight junction

Product images:



Coomassie blue staining of purified TJP3 protein (Cat# [TP313399]). The protein was produced from HEK293T cells transfected with TJP3 cDNA clone (Cat# [RC213399]) using MegaTran 2.0 (Cat# [TT210002]).