

Product datasheet for **SC332853**

Zonula occludens protein 3 (TJP3) (NM_001267561) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zonula occludens protein 3 (TJP3) (NM_001267561) Human Untagged Clone
Tag:	Tag Free
Symbol:	Zonula occludens protein 3
Synonyms:	ZO-3; ZO3
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC332853 representing NM_001267561.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCGGTGAGATTCCAGGTGGCTGACATGGAGGAGCTGACCATCTGGGAACAGCACACGGCCACACTG
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Restriction Sites: SgfI-RsrII
ACCN: NM_001267561
Insert Size: 2787 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001267561.1
RefSeq Size:	3127 bp
RefSeq ORF:	2787 bp
Locus ID:	27134
UniProt ID:	O95049
Cytogenetics:	19p13.3
Protein Pathways:	Tight junction
MW:	102.4 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and represents use of an alternate promoter, compared to variant 1, which results in a protein (isoform 2) with a longer and distinct N-terminus, compared to isoform 1.</p>