

Product datasheet for **RC213399L4V**

Zonula occludens protein 3 (TJP3) (NM_014428) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Zonula occludens protein 3 (TJP3) (NM_014428) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Zonula occludens protein 3
Synonyms:	ZO-3; ZO3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_014428
ORF Size:	2856 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213399).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_014428.1 , NP_055243.1
RefSeq Size:	2859 bp
RefSeq ORF:	2858 bp
Locus ID:	27134
Cytogenetics:	19p13.3
Protein Pathways:	Tight junction
MW:	104.6 kDa



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Gene 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]