

Product datasheet for **MR222968L4V**

Ctnnd2 (NM_008729) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ctnnd2 (NM_008729) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ctnnd2
Synonyms:	Catnd2; neurojugin; Nprap
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008729
ORF Size:	3738 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222968).
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_008729.2
RefSeq Size:	5959 bp
RefSeq ORF:	3741 bp
Locus ID:	18163
UniProt ID:	O35927
Cytogenetics:	15 B2



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Gene Summary:

Has a critical role in neuronal development, particularly in the formation and/or maintenance of dendritic spines and synapses (PubMed:17993462) (PubMed:25807484). Involved in the regulation of canonical Wnt signaling (By similarity). It probably acts on beta-catenin turnover, facilitating beta-catenin interaction with GSK3B, phosphorylation, ubiquitination and degradation (PubMed:20623542). May be involved in neuronal cell adhesion and tissue morphogenesis and integrity by regulating adhesion molecules. Functions as a transcriptional activator when bound to ZBTB33 (PubMed:15282317).[UniProtKB/Swiss-Prot Function]