

## Product datasheet for **RC218019L4V**

### Caspr (CNTNAP1) (NM\_003632) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Caspr (CNTNAP1) (NM_003632) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Caspr
Synonyms:	CASPR; CHN3; CNTNAP; NRXN4; P190
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003632
ORF Size:	4152 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218019).
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. <a href="#">More info</a>
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:	<a href="#">NM_003632.1</a> , <a href="#">NP_003623.1</a>
RefSeq Size:	5293 bp
RefSeq ORF:	4155 bp
Locus ID:	8506
UniProt ID:	<a href="#">P78357</a>
Cytogenetics:	17q21.2
Domains:	F5_F8_type_C, LamG, EGF
Protein Families:	Druggable Genome, Transmembrane



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**Protein Pathways:** Cell adhesion molecules (CAMs)

**MW:** 156.27 kDa

**Gene Summary:** The gene product was initially identified as a 190-kD protein associated with the contactin-PTPRZ1 complex. The 1,384-amino acid protein, also designated p190 or CASPR for 'contactin-associated protein,' includes an extracellular domain with several putative protein-protein interaction domains, a putative transmembrane domain, and a 74-amino acid cytoplasmic domain. Northern blot analysis showed that the gene is transcribed predominantly in brain as a transcript of 6.2 kb, with weak expression in several other tissues tested. The architecture of its extracellular domain is similar to that of neuexins, and this protein may be the signaling subunit of contactin, enabling recruitment and activation of intracellular signaling pathways in neurons. [provided by RefSeq, Jan 2009]