

## Product datasheet for **RC220241L1V**

### Neurotrypsin (PRSS12) (NM\_003619) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Neurotrypsin (PRSS12) (NM_003619) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Neurotrypsin
Synonyms:	BSSP-3; BSSP3; MRT1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_003619
ORF Size:	2625 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220241).
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_003619.3</a>
RefSeq Size:	4573 bp
RefSeq ORF:	2628 bp
Locus ID:	8492
UniProt ID:	<a href="#">P56730</a>
Cytogenetics:	4q26
Domains:	KR, SR, Tryp_SPC
Protein Families:	Druggable Genome, Protease, Secreted Protein



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**MW:** 97.1 kDa

**Gene Summary:** This gene encodes a member of the trypsin family of serine proteases and contains a signal peptide, a proline-rich region, a Kringle domain, four scavenger receptor cysteine-rich domains, and a trypsin-like serine protease domain. The protein, sometimes referred to as neurotrypsin or motopsin, is secreted from neuronal cells and localizes to the synaptic cleft. Studies in mice show that this protein cleaves a protein, agrin, that is important for the formation and maintenance of excitatory synapses. Defects in this gene cause a form of autosomal recessive cognitive impairment (MRT1). [provided by RefSeq, Jul 2017]