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Product datasheet for RC205290L3V

Neuroserpin (SERPINI1) (NM_005025) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Neuroserpin (SERPINI1) (NM_005025) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Neuroserpin
Synonyms:	HNS-S1; HNS-S2; neuroserpin; PI12
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_005025
ORF Size:	1230 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC205290).`
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_005025.2
RefSeq Size:	1910 bp
RefSeq ORF:	1233 bp
Locus ID:	5274
UniProt ID:	Q99574
Cytogenetics:	3q26.1
Domains:	SERPIN
Protein Families:	Druggable Genome, Secreted Protein

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MW: 46.43 kDa

Gene Summary: This gene encodes a member of the serpin superfamily of serine proteinase inhibitors. The protein is primarily secreted by axons in the brain, and preferentially reacts with and inhibits tissue-type plasminogen activator. It is thought to play a role in the regulation of axonal growth and the development of synaptic plasticity. Mutations in this gene result in familial encephalopathy with neuroserpin inclusion bodies (FENIB), which is a dominantly inherited form of familial encephalopathy and epilepsy characterized by the accumulation of mutant neuroserpin polymers. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]