

## Product datasheet for **SC203339**

### Neuroserpin (SERPINI1) (NM\_001122752) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Neuroserpin (SERPINI1) (NM_001122752) Human 3' UTR Clone
Symbol:	Neuroserpin
Synonyms:	HNS-S1; HNS-S2; neuroserpin; PI12
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001122752
Insert Size:	276 bp
Insert Sequence:	<p>&gt;SC203339 3'UTR clone of NM_001122752</p> <p>The sequence shown below is from the reference sequence of NM_001122752. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> <pre> GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC ACAAGTGGACATGATTTGAAGAACTTAAAGTTACTTTATTTGAATAACAAGGAAAAACAGTAACTAAGC ACATTATGTTTGAAGTGGTATATATTTAGGATTTGTGTTTACAGTATATCTTAAGATAATATTTAAA ATAGTTCCAGATAAAAAACAATATATGTAAATTATAAGTAACTTGCAAGGAATGTTATCAGTATTAAGC TAATGGTCCTGTTATGTCATTGTGTTTGTGTGCTGTTGTTTAAAATAAAAGTACCTATTGAACATGTGA ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG </pre>
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u><a href="#">NM_001122752.2</a></u>


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**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]

**Locus ID:**

5274

**MW:**

10.5