



## Rat SERPINI1 peptide (DAG-P1812)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	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]
<b>Specificity</b>	Predominantly expressed in the brain.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the serpin family.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">SERPINI1 serpin peptidase inhibitor, clade I (neuroserpin), member 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	SERPINI1
<b>Synonyms</b>	SERPINI1; serpin peptidase inhibitor, clade I (neuroserpin), member 1; PI12; neuroserpin; neuroserpin; PI-12; serpin I1; peptidase inhibitor 12; serine (or cysteine) proteinase inhibitor,

clade I (neuroserpin), member 1;

<b>Entrez Gene ID</b>	<a href="#">5274</a>
<b>mRNA Refseq</b>	<a href="#">NM_001122752.1</a>
<b>Protein Refseq</b>	<a href="#">NP_001116224.1</a>
<b>UniProt ID</b>	Q99574
<b>Chromosome Location</b>	3q26.1
<b>Pathway</b>	Validated targets of C-MYC transcriptional activation, organism-specific biosystem;
<b>Function</b>	serine-type endopeptidase inhibitor activity;