



## SNCA peptide (DAG-P1361)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	Alpha-synuclein is a member of the synuclein family, which also includes beta- and gamma-synuclein. Synucleins are abundantly expressed in the brain and alpha- and beta-synuclein inhibit phospholipase D2 selectively. SNCA may serve to integrate presynaptic signaling and membrane trafficking. Defects in SNCA have been implicated in the pathogenesis of Parkinson disease. SNCA peptides are a major component of amyloid plaques in the brains of patients with Alzheimers disease. Four alternatively spliced transcripts encoding two different isoforms have been identified for this gene. [provided by RefSeq, Mar 2009]
<b>Specificity</b>	Expressed principally in brain but is also expressed in low concentrations in all tissues examined except in liver. Concentrated in presynaptic nerve terminals.
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the synuclein 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="#">SNCA synuclein, alpha (non A4 component of amyloid precursor) [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	SNCA
<b>Synonyms</b>	SNCA; synuclein, alpha (non A4 component of amyloid precursor); PD1; NACP; PARK1;

PARK4; alpha-synuclein; synuclein alpha-140; non A-beta component of AD amyloid;

<b>Entrez Gene ID</b>	<a href="#">6622</a>
<b>mRNA Refseq</b>	<a href="#">NM_000345.3</a>
<b>Protein Refseq</b>	<a href="#">NP_000336.1</a>
<b>UniProt ID</b>	P37840
<b>Chromosome Location</b>	4q21
<b>Pathway</b>	Alpha-synuclein signaling, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Alzheimers Disease, organism-specific biosystem; Amyloids, organism-specific biosystem; Disease, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Parkin-Ubiquitin Proteasomal System pathway, organism-specific biosystem; Parkinsons disease, organism-specific biosystem; Parkinsons Disease Pathway, organism-specific biosy
<b>Function</b>	Hsp70 protein binding; alpha-tubulin binding; beta-tubulin binding; calcium ion binding; copper ion binding; cysteine-type endopeptidase inhibitor activity involved in apoptotic process; dynein binding; NOT fatty acid binding; ferrous iron binding; histon