

Alpha synuclein control peptide (116-131)

Catalogue No.:	PE-1606-100
Description:	Alpha synuclein is an abundant 140 amino acid neuronal protein, expressed primarily at presynaptic terminals in the central nervous system. Alpha synuclein has been associated with several neurodegenerative diseases. A point mutation in the gene coding for the alpha-synuclein protein was the first discovery linking this protein to a rare familial form of Parkinson's disease (PD). Subsequently, other mutations in the alpha-synuclein gene have been identified in familial PD. The aggregated proteinaceous inclusions called Lewy bodies found in PD and cortical Lewy body dementia (LBD) were discovered to be predominantly alpha-synuclein. Aberrant aggregation of alpha-synuclein has been detected in an increasing number of neurodegenerative diseases, collectively known as synucleopathies. Alpha-synuclein exists physiologically in both soluble and membrane-bound states, in unstructured and alpha-helical conformations, respectively. The physiological function of alpha-synuclein appears to require its translocation between these subcellular compartments and interconversion between the 2 conformations. Abnormal processing of alpha-synuclein is predicted to lead to pathological changes in its binding properties and function.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide (CMPVDPDNEAYEMPSEE) of human alpha synuclein protein (aa: 116-131).
Other Names:	Non-A beta component of AD amyloid; Non-A4 component of amyloid precursor; NACP
Accession:	P37840 SYUA_HUMAN;
Purity:	Crude
Applications:	Control Peptide. This peptide may be used to block the binding activity of antibodies to alpha synuclein (see Biosensis antibodies S-024-100 and S-075-50).
Form:	Lyophilized
Reconstitution:	This peptide is soluble in PBS and water.
Storage:	After reconstitution keep at -20C. Avoid repetitive freeze/thaw cycles.
Expiry Date:	24 months after purchase

FOR RESEARCH USE ONLY
