



Recombinant alpha-Amyloid Precursor Protein (a.a 18-612) [His] (DAG-WT506)

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

PRODUCT INFORMATION

Product Overview	Human alpha-Amyloid Precursor Protein (a.a 18-612) protein was expressed in HEK293 cells and fused to 10xHis at the N-terminus
Species	Human
Purity	> 95% , as determined by SDS-PAGE
Conjugate	His
Applications	WB, Immunoassays, Functional studies
Molecular Weight	69.2 kDa
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements.
Size	100 µg
Buffer	PBS with 20% glycerol
Preservative	None
Storage	Store at -20°C to -80°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction	Amyloid-beta precursor protein (APP) is an integral membrane protein expressed in many tissues and concentrated in the synapses of neurons. It functions as a cell surface receptor and has been implicated as a regulator of synapse formation, neural plasticity, antimicrobial activity,
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and iron export. It is coded for by the gene APP and regulated by substrate presentation. APP is best known as the precursor molecule whose proteolysis generates amyloid beta (A β), a polypeptide containing 37 to 49 amino acid residues, whose amyloid fibrillar form is the primary component of amyloid plaques found in the brains of Alzheimer's disease patients.

Keywords	APP; Amyloid-beta precursor protein; Alzheimer's disease
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GENE INFORMATION

UniProt ID	P05067-4
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