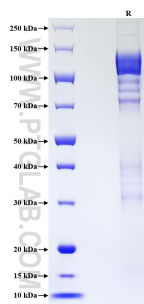


Recombinant Human APP protein (rFc Tag)

Catalog Number: Eg3070

Basic Information	Species: Human	Purity: >80 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >80 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human APP protein Leu18-Lys687 (Accession# P05067-1) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 351</p> <p>Accession: P05067-1</p> <p>Predicted Molecular Mass: 102.0 kDa</p> <p>SDS-PAGE: 100-140 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Aβ derives from APP via proteolytic cleavage by proteases called α-, β- and γ-secretase. The α-secretase cleavage precludes the formation of Aβ, while the β- and γ-cleavages generate APP components with amyloidogenic features. Amyloid beta A4 precursor protein (APP), encoded by APP gene which locate on human chromosome 21q, is a cell surface receptor and performs physiological functions on the surface of neurons relevant to neurite growth, neuronal adhesion and axonogenesis. APP expressed in all fetal tissues and is pronounced in brain, kidney, heart and spleen, but weak in liver. Defects in APP are the cause of Alzheimer disease type 1 (AD1).</p>		
References	<ol style="list-style-type: none"> 1. Nguyen, Khue Vu. Biomolecular concepts vol. 6,1 (2015): 11-32. 2. Baumkötter, Frederik et al. The Journal of neuroscience : the official journal of the Society for Neuroscience vol. 3. Mullan, M et al. Nature genetics vol. 1,5 (1992): 345-7. 		
Synonyms	amyloid precursor protein, A4 amyloid protein, AB40, AB42, AD1		

Selected Validation Data



Purity of Recombinant Human APP was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.