

APBA2 Protein, Human, Recombinant (His & Myc)

General Information

Synonyms:	Amyloid-beta A4 precursor protein-binding family A member 2;Adapter protein X11beta; APBA2;X11L;Neuronal Munc18-1-interacting protein 2 (Mint-2);MINT2;Neuron-specific X11L protein
Protein Construction:	1-749 aa
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q99767
Molecular Weight:	87.5 kDa (predicted)
AA Sequence:	MAHRKLESVSGMLDHRVRPGVPVPHSQEPESEDMELPLEGYVPEGLELAALRPESPAPEEQECHNHSPDGD SSSDYVNNNTSEEDYDEGLPEEEEGITYYIRYCPEDDSYLEGMDCNGEEYLAHSAHPVDTDECQEAVEEWTD AGPHPHGHEAEGSQDYPDQGQLPIPEDEPSVLEAHDQEEDGHYCASKEGYQDYYPPEANGNTGASPYRLRR GDGDLEDQEEDIDQIVAEIKMSLSMTSITSASEASPEHGPEPGPEDSVEACPPKASCSPSRHEARPKSLNLLPE AKHPGDPQRGFKPKTRTPEERLKPHEQVCNGLEQPRKQQRSDLNQVVDNINIPETKKVASFSPFVAVPGP CEPEDLDIGIIFAANYLGSTQLLSERNPSKNIRMMQAQEA VSRVKRMQKA AKIKKKANSEGDAQTLTEVDLFI TQRIKVLNADTQETMMDHALRTISYIADIGNIVVLMARRRMPRSASQDCIETTPGAQEGKKQYKMICHVFES DAQLIAQSIGQAFSVAYQEF LRANGINPEDLSQKEYSDIINTQEMYNDLIHFSNSENCKELQLEKHKGEILGV VVVESGWSILPTVILANMMNGGPAARSGKLSIGDQIMSINGTSLVGLPLATCQGIKGLKNQTQVKNIVSCP PVTTVLIKRPDLKYQLGFSVQNGIICSLMRGGIAERGGVRVGHRIIEINGQSVVATAHEKIVQALSNSVGEIHM K TMPAAMFRLLTGQETPLYI

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Putative function in synaptic vesicle exocytosis by binding to STXBP1, an essential component of the synaptic vesicle exocytotic machinery. May modulate processing of the amyloid-beta precursor protein (APP) and hence formation of APP-beta.

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