Data Sheet (Cat.No.TMPJ-00722)

TargetMol

APBA3 Protein, Human, Recombinant (His)

General Information

Synonyms:	Neuronal Munc18-1-Interacting Protein 3;Neuron-Specific X11L2 Protein;Amyloid Beta A4 Precursor Protein-Binding Family A Member 3;Adapter protein X11γ;Mint-3;Adapter protein X11Gamma;Amyloid β A4 Precursor Protein-Binding Family A Member 3;MINT3;APBA3;X11L2
Protein Construction:	Met1-Leu138
Species:	Human
Expression Host:	E. coli
Accession:	O96018
Molecular Weight:	20 KDa (reducing condition)
AA Sequence:	Met1-Leu138

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:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled 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

Amyloid β A4 Precursor Protein-Binding Family A Member 3 (APBA3) is an adapter protein that belongs to the X11 family. APBA3 contains 2 PDZ (DHR) domains and 1 PID domain and interacts with the Alzheimer's disease amyloid precursor protein.. APBA3 is believed to be involved in signal transduction processes. Unlike X11-α and -β which are generally neuronal proteins, APBA3 is widely expressed in all tissues examined with lower levels in brain and

testis. It binds to the cytoplasmic domain of amyloid protein (APP) in vivo and may modulate processing of the β-amyloid precursor protein (APP) and hence formation of β-APP.

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