



Recombinant Protein Technical Manual

Recombinant Human APBA3 Protein (His Tag)

RPES2461

Product Data:

Product SKU: RPES2461

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: O96018

Protein Information:

Molecular Mass: 15.5 kDa

AP Molecular Mass: 20 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB ,150mM NaCl, pH 7.2.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Amyloid Beta A4 Precursor Protein-Binding Family A Member 3; Adapter protein X11Gamma; Neuron-Specific X11L2 Protein; Neuronal Munc18-Interacting Protein 3; Mint-3; APBA3; MINT3; X11L2

Immunogen Information:

Sequence: Met 1-Leu138

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.