Datasheet for ABIN7562053

APBA1 Protein (AA 1-842) (His tag)

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Overview

Quantity:	1 mg
Target:	APBA1
Protein Characteristics:	AA 1-842
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APBA1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Apba1 Protein expressed in mammalian cells.
Sequence:	MNHLEGSAEV EVADEAPGGE VNESVEADLE HPEVVEGQQP SPSPPPPAGH EPEDHRGHPA PPPPPPPQEE EEEERGECLA RSASTESGFH NHTDTAEGDV LAAARDGYEA ERAQDADDES AYAVQYRPEA EEYTEQAEAE HVEAAQRRAL PNHLHFHSLE HEEAMNAAYS GYVYTHRLFH RAEDEPYAEP YADYGGLQEH VYEEIGDAPE LEARDGLRLY ERERDEAAAY RQEALGARLH HYDERSDGES DSPEKEAEFA PYPRMDSYEQ EEDIDQIVAE VKQSMSSQSL DKAAEDMPEA EQDLERAPTP GGGHPDSPGL PAPAGQQQRV VGTPGGSEVG QRYSKEKRDA ISLAIKDIKE AIEEVKTRTI RSPYTPDEPK EPIWVMRQDI SPTRDCDDQR PVDGDSPSPG SSSPLGAESS SIPLHPGDPT EASTNKESRK SLASFPTYVE VPGPCDPEDL IDGIIFAANY LGSTQLLSDK TPSKNVRMMQ AQEAVSRIKT AQKLAKSRKK APEGESQPMT EVDLFISTQR IKVLNADTQE PMMDHPLRTI SYIADIGNIV VLMARRRMPR SNSQENVEAS HPSQDGKRQY KMICHVFESE DAQLIAQSIG QAFSVAYQEF LRANGINPED LSQKEYSDLL NTQDMYNDDL IHFSKSENCK DVFIEKQKGE ILGVVIVESG WGSILPTVII ANMMHGGPAE KSGKLNIGDQ IMSINGTSLV

Product Details

	GLPLSTCQSI IKGLKNQSRV KLNIVRCPPV TTVLIRRPDL RYQLGFSVQN GIICSLMRGG IAERGGVRVG HRIIEINGQS VVATPHEKIV HILSNAVGEI HMKTMPAAMY RLLTAQEQPV YI **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	APBA1
Alternative Name:	Apba1 (APBA1 Products)
Background:	Amyloid-beta A4 precursor protein-binding family A member 1 (Adapter protein X11alpha) (Neuron-specific X11 protein) (Neuronal Munc18-1-interacting protein 1) (Mint-1),FUNCTION: Putative function in synaptic vesicle exocytosis by binding to Munc18-1, an essential component of the synaptic vesicle exocytotic machinery. May modulate processing of the amyloid-beta precursor protein (APP) and hence formation of AAP-beta (By similarity). Component of the LIN-10-LIN-2-LIN-7 complex, which associates with the motor protein KIF17

Target Details

	to transport vesicles containing N-methyl-D-aspartate (NMDA) receptor subunit NR2B along microtubules (PubMed:10846156). {ECO:0000250, ECO:0000269|PubMed:10846156}.
Molecular Weight:	92.9 kDa
UniProt:	B2RUJ5
Pathways:	Synaptic Vesicle Exocytosis, Dicarboxylic Acid Transport

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

