

Datasheet for ABIN3088830 APBA1 Protein (AA 1-837) (Strep Tag)



Overview

Quantity:	250 µg
Target:	APBA1
Protein Characteristics:	AA 1-837
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This APBA1 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MNHLEGSAEV EVTDEAAGGE VNESVEADLE HPEVEEEQQQ PPQQQHYVGR HQRGRALEDL
	RAQLGQEEEE RGECLARSAS TESGFHNHTD TAEGDVIAAA RDGYDAERAQ DPEDESAYAV
	QYRPEAEEYT EQAEAEHAEA THRRALPNHL HFHSLEHEEA MNAAYSGYVY THRLFHRGED
	EPYSEPYADY GGLQEHVYEE IGDAPELDAR DGLRLYEQER DEAAAYRQEA LGARLHHYDE
	RSDGESDSPE KEAEFAPYPR MDSYEQEEDI DQIVAEVKQS MSSQSLDKAA EDMPEAEQDL
	ERPPTPAGGR PDSPGLQAPA GQQRAVGPAG GGEAGQRYSK EKRDAISLAI KDIKEAIEEV
	KTRTIRSPYT PDEPKEPIWV MRQDISPTRD CDDQRPMDGD SPSPGSSSPL GAESSSTSLH
	PSDPVEASTN KESRKSLASF PTYVEVPGPC DPEDLIDGII FAANYLGSTQ LLSDKTPSKN
	VRMMQAQEAV SRIKMAQKLA KSRKKAPEGE SQPMTEVDLF ISTQRIKVLN ADTQETMMDH
	PLRTISYIAD IGNIVVLMAR RRMPRSNSQE NVEASHPSQD GKRQYKMICH VFESEDAQLI
	AQSIGQAFSV AYQEFLRANG INPEDLSQKE YSDLLNTQDM YNDDLIHFSK SENCKDVFIE

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN3088830 | 05/14/2025 | Copyright antibodies-online. All rights reserved. KQKGEILGVV IVESGWGSIL PTVIIANMMH GGPAEKSGKL NIGDQIMSIN GTSLVGLPLS TCQSIIKGLK NQSRVKLNIV RCPPVTTVLI RRPDLRYQLG FSVQNGIICS LMRGGIAERG GVRVGHRIIE INGQSVVATP HEKIVHILSN AVGEIHMKTM PAAMYRLLTA QEQPVYI Sequence without tag. The proposed Strep-Tag is based on experience s 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.

Characteristics:

Key Benefits:

- Made in Germany from design to production by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALICE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require posttranslational modifications.
- During lysate production, the cell wall and other cellular components that are not required for
 protein production are removed, leaving only the protein production machinery and the
 mitochondria to drive the reaction. During our lysate completion steps, the additional
 components needed for protein production (amino acids, cofactors, etc.) are added to
 produce something that functions like a cell, but without the constraints of a living system all that's needed is the DNA that codes for the desired protein!

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:

One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression

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Product Details	
	System (AliCE®).
Purity:	> 70-80 % as determined by SDS PAGE, 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 APP-beta. Component of the LIN- 10-LIN-2-LIN-7 complex, which associates with the motor protein KIF17 to transport vesicles containing N-methyl-D-aspartate (NMDA) receptor subunit NR2B along microtubules (By similarity). {ECO:000250 UniProtKB:B2RUJ5}.
Molecular Weight:	92.9 kDa
UniProt:	Q02410
Pathways:	Synaptic Vesicle Exocytosis, Dicarboxylic Acid Transport
Application Details	
Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Comment:	ALICE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications. During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's

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Application Details	
	needed is the DNA that codes for the desired protein!
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol Might differ depending on protein.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months