

Datasheet for ABIN3088753

ANKS1B Protein (AA 1-1248) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	ANKS1B
Protein Characteristics:	AA 1-1248
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANKS1B protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	<p>MGKDQELLEA ARTGNVALVE KLLSGRKGGI LGGGSGPLPL SNLLSIWRGP NVNCTDSSGY</p> <p>TALHHAALNG HKDIVLKLLQ YEASTNVADN KGYFPIHLAA WKGDVEIVKI LIHHGPSHSR</p> <p>VNEQNNENET ALHCAAQYGH SEVVAVLLEE LTDPTIRNSK LETPLDLAAL YGRLRVVKMI</p> <p>ISAHPNLMSC NTRKHTPLHL AARNGHKAVV QVLEAGMDV SCQTEKGSAL HEAALFGKVD</p> <p>VVRVLLETGI DANIKDSLGR TVLDILKEHP SQKSLQIATL LQEYLEGVGR STVLEEPVQE</p> <p>DATQETHISS PVESPSQKTK SETVTGELSK LLDEIKLCQE KDYSFEDLCH TISDHYLDNL</p> <p>SKISEEELGK NGSQSVRTSS TINLSPGEVE EEDDDENTCG PSGLWEALTP CNGCRNLGFP</p> <p>MLAQESYPKK RNYTMEIVPS ASLDTFPSN ENFLCDLMDT AVTKKPCSLE IARAPSPRTD</p> <p>NASEVAVTTP GTSNHRNSST GPTPDCSPPS PDTALKNIVK VIRPQPKQRT SIVSSLDFHR</p> <p>MNHNQEYFEI NTSTGCTSFT ASPPASPPTS SVGTTEVKNE GTNHTDDLRS QDDNDPPKEY</p> <p>DPGQFAGLLH GSSPACESPE NPFHLYGKRE QCEKGQDEVS LANSPLPFKQ SPIENNSEPL</p>

VKKIKPKVVS RTIFHKKSNQ LENHTIVGTR STRSGSRNGD QWVMNAGGFV ERACTLGRIR
SLPKALIDMH LSKSVSKSDS DLIAYPSNEK TSRVNWSESS TAEHSSKGNS ERTPSFTSEW
EEIDKIMSSI DVGINNELKE MNGETTRPRC PVQTVGQWLE SIGLPQYENH LMANGFDNVQ
FMGSNMEDQ DLLEIGILNS GHRQRILQAI QLLPKMRPIG HDGYHPTSVA EWLDSIELGD
YTKAFLINGY TSMDLLKKIW EVELINVLKI NLIGHRKRL ASLGDRHLDD PPQKPPRSIT
LREPSGNHTP PQLSPSLSQS TYTTGGSLDV PHIIMQGDAR RRRNENYFDD IPRSKLERQM
AQTGDWGEPS ITLRPPNEAT ASTPVQYWQH HPEKLIFQSC DYKAFYLGSM LIKELRGTES
TQDACAKMRA NCQKSTEQMK KVPTIILSVS YKGVKFIDAT NKNIIAEHEI RNISCAAQDP
EDLSTFAYIT KDLKSNHHYC HVFTAFDVNL AYEILTLGQ AFEVAYQLAL QARKGGHSST
LPESFENKPS KPIPKPRVSI RKSVDLLHAS HTGQEPSEH TEEALRKF

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 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 needed is the DNA that codes for the desired protein!

Product Details

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 System (ALICE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	ANKS1B
Alternative Name:	ANKS1B (ANKS1B Products)
Background:	Ankyrin repeat and sterile alpha motif domain-containing protein 1B (Amyloid-beta protein intracellular domain-associated protein 1) (AIDA-1) (E2A-PBX1-associated protein) (EB-1),FUNCTION: Isoform 2 may participate in the regulation of nucleoplasmic coilin protein interactions in neuronal and transformed cells., FUNCTION: Isoform 3 can regulate global protein synthesis by altering nucleolar numbers. {ECO:0000250, ECO:0000269 PubMed:15347684, ECO:0000269 PubMed:15862129}., FUNCTION: Isoform 4 may play a role as a modulator of APP processing. Overexpression can down-regulate APP processing.
Molecular Weight:	138.1 kDa
UniProt:	Q7Z6G8

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

Application Details

modifications.

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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