

Datasheet for ABIN3136183

## ANKS1B Protein (AA 1-1259) (Strep Tag)



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### Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 250 µg  |
| Target:                       | ANKS1B  |
| Protein Characteristics:      | AA 1-1259                                       |
| Origin:                       | Mouse   |
| 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>VVRVLLLETGI DANIKDSLGR TVLDILKEHP SQKSLQIATL LQDYLEGAGR SAAVLEEHAQ</p> <p>EDTAQETHLS SPAESPQKTK SETVTGELSK LLDEIKLCQE KDYSFEDLCH TISDHYLDNL</p> <p>SKISEEELGK NGSQSVRTSS TINLSPGEVE DEEEDPNSCG PTGLWEALTP CNGCRNLGFP</p> <p>MLAQESYPKK RNFPMEMEPS ASLDTFPSEN ENFLCELVDV AVTKKPCSLE IARAPSPRTD</p> <p>NASEVAITAP GTSHHRNSST GPTPDCSPPS PDTALKNIVK VIRPQPKQRT SIVSSLDFQR</p> <p>MNHNQEYFEI STSTGCTSFT SSPAASPPTS SVETTEVKNE GAEHADDLSQ QEDDEPPKEY</p> <p>DAGQFAGLLH GSSPACESPE NPFHLYGKRN TCEDGPDEAS LANSPLPFKQ TPIENNPEPS</p> |

VKKVKPKVVS RTIFHKRNHQ LENHTIVGTR MSRSGSRNGD QWGVNPGGFV ERACTLGRIR  
SLPKALIDMH LSKNVSKSDS DLIAYPSKDK ARVNWSKSST AERSSKDNSE RTPSFTSEWE  
EIDKIMNSID VGINSELEGM NGETTRPRCP VQTVGQWLES IGLPQYENHL MANGFDSVQF  
MGSNVMEDQD LLEIGILNSG HRQRILQAIQ LLPKMRPIGH DGYHPTSAE WLDSIELGDY  
TKAFLINGYT SMDLLKKIWE LELINVLKIS LIGHRKRILA SLGDR LHDDP PQKPPRSITL  
REPSGNHTPP QLSPSLSQST YTTGGSLDVP HIIMQGDARR RRNENYFDDI PRSKLERQMA  
QTGDWGEPSI TLRPPNEATA STPVQYWQHH PEKLIFQSCD YKAFYLGSMIL IKELRGTEST  
QDACAKMRAN CRKSTEQMKK VPTIILSVSY KGVKFIDAAN KNIIAEHEIR NISCAAQDPE  
DLSTFAYITK DLKSNHHYCH VFTAFDVNLA YEIILTLGQA FEVAYQLALQ ARKGHGSSTL  
PESFENKPSK PIPKPRVSIR KSVQIDPSEQ KTLANLPWIV EPGQEAKRGI NTKYETTIF

**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.**

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### 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

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### 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

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|         |        |
|---------|--------|
| Target: | ANKS1B |
|---------|--------|

|                   |  |
|-------------------|--|
| Alternative Name: | Anks1b ( <a href="#">ANKS1B Products</a> ) |
|-------------------|--|

|             |   |
|-------------|---|
| 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. {ECO:0000250}. |
|-------------|---|

|                   |           |
|-------------------|-----------|
| Molecular Weight: | 139.0 kDa |
|-------------------|-----------|

|          |                        |
|----------|------------------------|
| UniProt: | <a href="#">Q8BIZ1</a> |
|----------|------------------------|

## Application Details

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| 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: | <p>ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> 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.</p> <p>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</p> |
|----------|---|

Application Details

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!

Restrictions: For Research Use only

Handling

|                  |  |
|------------------|--|
| Format:          | Liquid   |
| Buffer:          | The buffer composition is at the discretion of the manufacturer.<br>Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol <b>Might differ depending on protein.</b> |
| Handling Advice: | Avoid repeated freeze-thaw cycles.   |
| Storage:         | -80 °C   |
| Storage Comment: | Store at -80°C.  |
| Expiry Date:     | 12 months  |