

Datasheet for ABIN7564079

**ANKLE2 Protein (AA 1-964) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	ANKLE2
Protein Characteristics:	AA 1-964
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANKLE2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Ankle2 Protein expressed in mammalian cells.
Sequence:	MLWQRLAVVE WAALAWELLG ASVLFIAVRW LVRRLKRPDR DLNRCGTLSS PPSASEAVAA QPGEVTMDAM MARLKLLNPD DLRKEVMKAG LKCGPITSTT RFIFEKLAQ ALLEQGGLLT SSLPKPSAVT AMAFIQGTSR TTPSVDGKQT QQACFSEDRD FGYSVGLNPP EEEAVASSVH PVPFSASTRN DNHKAGVTAP KEPLVYYGVC PVYEDGPVRH ERIHVYEDKK EALQAAKLIK GSRFKAFRTR EDAEKFARGI CDYLPSPNKT TPLLSPVKAV PLGGSDGLKA DGLCLAESST VNKERANSYK NPRTQDLTAK LRKAVENGEE HTFSDLIWSN PRYLIGSGDN PTIVQEGCRY NVMHVAAKEN QASMCQLTLE TLENPEFMRL MYPDDNMDML QKRILYVVDL YLNTPKVGF DTPLHFACKF GNVDVVNVLV SHPLIVKNRK NKYKTPPEEV ICERSQNKSP ALKERIREYL MGHYVPLLRAEDTSPVIGE LWSSDQKAEA SNTAHCSSP RDPVMTLRAF VGPLSPSKAE DFRKLWKTTP RKKAGFFHSI RKSDPERGIE RVGRELAHEL GYPWVEYWEF LGCFVDLSSQ EGLQRLEEYL IQKELSKKAQ QEIRENEGCL QDRTSDFGSG KKYSNSISVG AFLDGDSS LEEIKNQNT VPSQSQPTTD KFQTSKSGSL PLGQKVDVPE TSVGTYPDKG RNFCHPLNH

## Product Details

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RTADGRGLEA TNGEEALPPP VSVLTQELNK LNLQSLGDSL HETPDKNGKL EDEVLPSRKG  
AADSDLLASP PAIASLGKKQ VRTNTEVSEA MAEMSLGPKS PQLGVQAGLE PILSSATVDS  
TKRFLSLGEE PSKLDLDRVLA ALECANIDPG LYPAIHRWKS TVMCYSPSDR QSWPSPALKG  
KFTTELVDLD CSHSCSGRCS PAGSSPSKPG HTSSSSGLHS PGRYSPAHR HFQRVAHVAR LAAL

**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.**

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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.

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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.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target: ANKLE2

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Alternative Name: Ankle2 ([ANKLE2 Products](#))

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Background: Ankyrin repeat and LEM domain-containing protein 2 (LEM domain-containing protein 4),FUNCTION: Involved in mitotic nuclear envelope reassembly by promoting dephosphorylation of BAF/BANF1 during mitotic exit. Coordinates the control of BAF/BANF1 dephosphorylation by inhibiting VRK1 kinase and promoting dephosphorylation of BAF/BANF1

## Target Details

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by protein phosphatase 2A (PP2A), thereby facilitating nuclear envelope assembly. May regulate nuclear localization of VRK1 in non-dividing cells. It is unclear whether it acts as a real PP2A regulatory subunit or whether it is involved in recruitment of the PP2A complex. Involved in brain development. {ECO:0000250|UniProtKB:Q86XL3}.

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Molecular Weight: 106.2 kDa

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UniProt: [Q6P1H6](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months