

Datasheet for ABIN7552029

## alpha Adducin Protein (AA 1-737) (His tag)



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### Overview

Quantity:	1 mg
Target:	alpha Adducin (ADD1)
Protein Characteristics:	AA 1-737
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This alpha Adducin protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat ADD1 Protein expressed in mammalian cells.
Sequence:	<p>MNGDSRAAVV TSPPTTAPH KERYFDRVDE NNPEYLRERN MAPDLRQDFN MMEQKKRVSM</p> <p>ILQSPAFCEE LESMIQEYFK KGKNPTGLLA LQQIADFMTT NVPNVYPAAP QGGMAALNMS</p> <p>LGMVTPVNDL RGSDSIAYDK GEKLLRCKLA AFYRLADLFG WSQLIYNHIT TRVNSEQEHF</p> <p>LIVPFGLLYS EVTASSLVKI NLQGDIVDRG STNLGVNQAG FTLHSAIYAA RPDVKCVVHI</p> <p>HTPAGAAVSA MKCGLLPISP EALSLGEVAY HDYHGILVDE EEKVLIQKNL GPKSKVLILR</p> <p>NHGLVSVGES VEEAFYYIHN LVVACEIQVR TLASAGGPDN LVLLNPEKYK AKSRSPGSPV</p> <p>GEGTGSPPKW QIGEQEFEAL MRMLDNLGYR TGYPYRYPAL REKSKKYSKV EVASVTGYS</p> <p>FASDGDSGTC SPLRHSFQKQ QREKTRWLNS GRGDEASEEG QNGSSPKSKT KWTKEDGHRT</p> <p>STSAVPNLFV PLNTNPKEVQ EMRNKIREQN LQDIKTAGPQ SQVLCGVVMD RSLVQGEELVT</p> <p>ASKAIIKEY QPHVIVSTTG PNPFTTLTDR ELEEYRREVE RKQKGSEENL DEAREQKEKS</p> <p>PPDQPAVPHP PPSTPIKLEE DLVPEPTTGD DSDAATFKPT LPDLSPDEPS EALGFPMLEK</p>

## Product Details

EEEEHRPPSP TEAPTEASPE PAPDPAPVAE EAAPSAVEEG AAADPGSDGS PGKSPSKKKK

KFRTPSFLKK SKKKSDS **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.**

### 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, Western Blot

### Grade:

custom-made

## Target Details

### Target:

alpha Adducin (ADD1)

### Alternative Name:

ADD1 ([ADD1 Products](#))

### Background:

Alpha-adducin (Erythrocyte adducin subunit alpha),FUNCTION: Membrane-cytoskeleton-associated protein that promotes the assembly of the spectrin-actin network. Binds to calmodulin.

### Molecular Weight:

81.0 kDa

### UniProt:

[P35611](#)

### Pathways:

[Negative Regulation of Hormone Secretion](#), [Regulation of Actin Filament Polymerization](#), [Regulation of Lipid Metabolism by PPARalpha](#), [ER-Nucleus Signaling](#)

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.

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