

Datasheet for ABIN7551927
ADD2 Protein (AA 1-726) (His tag)



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Overview

Quantity:	1 mg
Target:	ADD2
Protein Characteristics:	AA 1-726
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADD2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ADD2 Protein expressed in mammalian cells.
Sequence:	<p>MSEETVPEAA SPPPPQGQPY FDRFSEDDPE YMRLRNRAAD LRQDFNLMEQ KKRVTMILQS</p> <p>PSFREELEGL IQEQMKKGNN SSNIWALRQI ADFMASTSHA VFPTSSMNVS MMTPINDLHT</p> <p>ADSLNLAKGE RLMRCKISSV YRLLDLYGWA QLSDTYVTLR VSKEQDHFLI SPKGVSCSEV</p> <p>TASSLIKVNI LGEVVEKGSS CFPVDTTGFC LHSIAAARP DVRCIIHLHT PATAAVSAMK</p> <p>WGLLPVSHNA LLVGDMAYYD FNGEMEQUEAD RINLQKCLGP TCKILVLRNH GVVALGDTVE</p> <p>EAFYKIFHLQ AACEIQVSAL SSAGGVENLI LLEQEKHRPH EVGSVQWAGS TFGPMQKSRL</p> <p>GEHEFEALMR MLDNLGYRTG YTYRHPFVQE KTKHKSEVEI PATVTAFVFE EDGAPVPALR</p> <p>QHAQKQKQKEK TRWLNTPNNTY LRVNVADEVQ RSMGSPRPKT TWMKADEVK SSSGMPRIE</p> <p>NPNQFVPLYT DPQEVLEMNRN KIREQNRQDV KSAGPQSLL ASVIAEKSRS PSTESQLMSK</p> <p>GDEDTKDDSE ETVPNPFSQL TDQEELEYK EVERKKLELD GEKETAPEEP GSPAKSAPAS</p> <p>PVQSPAKEAE TKSPLVSPSK SLEEGTKKTE TSKAATTEPE TTQPEGVVVN GREEEQTAEE</p>

ILSKGLSQMT TSADTDVDT S KDKTESVTSG PMSPEGSPSK SPSKKKKKFR TPSFLKKSKK

KEKVES **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:

ADD2

Alternative Name:

ADD2 ([ADD2 Products](#))

Background:

Beta-adducin (Erythrocyte adducin subunit beta),FUNCTION: Membrane-cytoskeleton-associated protein that promotes the assembly of the spectrin-actin network. Binds to the erythrocyte membrane receptor SLC2A1/GLUT1 and may therefore provide a link between the spectrin cytoskeleton to the plasma membrane. Binds to calmodulin. Calmodulin binds preferentially to the beta subunit. {ECO:0000269|PubMed:18347014}.

Molecular Weight:

80.9 kDa

UniProt:

[P35612](#)

Pathways:

[Regulation of Actin Filament Polymerization](#)

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.
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Restrictions:	For Research Use only
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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