

Datasheet for ABIN7563718  
**AGAP2 Protein (AA 1-1186) (His tag)**



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## Overview

Quantity:	1 mg
Target:	AGAP2
Protein Characteristics:	AA 1-1186
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AGAP2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Agap2 Protein expressed in mammalian cells.
Sequence:	<p>MSRGAGALQR RTTTYLISLT LVKLESVPPP PPSPSAAAAG APGARGSEPR DPGSPRGSEE PGKKRHERLF HRQDALWIST SSAGTGAEP PALSPAPASP ARPVSPAPGR RLSLWAAPPG PPLSGGLSPD SKPGGAPSSS RRPLLSSPSW GGPEPEGRTG GGVPGSSSPH PGTGSRRLKV APPPPAPKPF KVTVTSGAKA GGGKGAGSRL SWPESEGKPR VKGSKSTAGT GASAAAAGGG GSAAVTTSGG VGAGAGTRGK LSPRKGKSKT LDNSDLHPGP SAGSPPLTVP AIPVPATSVT ATSTQPLGPA PPITLEPPAP GLKRGREGGR ASTRDRKMLK FISGIFTKST GGPPGPGPLP GPQGLSSSSG SRELLGAELR TSPKAVVNSQ EWTLSRSIPE LRLGVLGDVR SGKSSLIHRF LTGSYQVLEK IESEQYKKEM LVDGQTHLVL IREEAGAPDA KFSGWADAVI FVFSLEDESS FQAVSRLHGQ LSSLRGEGRG GLALALVGTQ DRISASSPRV VGDARARALC TDMKRCSYYE TCATYGLNVD RVFQEVAQKV VTLRKQQQLL AACKSLPSSP SHSAASTPVA GQASNGGHTS DYSSSLPSSP NVGHRELRAE AAVAGLSTP GSLHRAAKRR TSLFANRRGS DAEKRSLDSR GETTGSGRAI PIKQSFLKR SGNSLNKEWK KKYVTLSSNG FLLYHPSIND YIHSTHGKEM</p>

## Product Details

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DLLRTTVKVP GKRPPRAISA FGPSASINGL VKDMSTVQMG EGPEASTPMP SPSPSPSSLQ  
LPTDQTSKHL LKPDRNLARA LSTDCTPSGD LSPLSREPPP SPMVKKQRRK KLSTPSKTEG  
SAVQAEAKRK MWKLSFGSL RNIYKAEENF EFLIVSSTGQ TWHFEAASFE ERDAWVQAIE  
SQILASLQCC ESSKVKLRTD SQSEAVAIQA IRNAKGNSTC VDCGAPNPTW ASLNLGALIC  
IECSGIHRNL GTHLSRVRSI DLDDWPRELT LVLTAIGNDT ANRVWESDTR GRAKPTRDSS  
REERESWIRA KYEQLLFLAP LGTTEEPLGR QLWAAVEAQD VAAVLLLLAH ARHGPLDTSV  
EDPQLRSPLH LAAELAHVVI TQLLLWYGAD VAARDAQGRT ALFYARQAGS QLCADILLQH  
GCPGEGGSTA TTPSAATTPS ITATPSPRRR SSAASLGRVD TTIALV **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: AGAP2

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Alternative Name: Agap2 ([AGAP2 Products](#))

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## Target Details

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**Background:** Arf-GAP with GTPase, ANK repeat and PH domain-containing protein 2 (AGAP-2) (Centaurin-gamma-1) (Cnt-g1) (Phosphatidylinositol 3-kinase enhancer) (PIKE),FUNCTION: GTPase-activating protein (GAP) for ARF1 and ARF5, which also shows strong GTPase activity. Participates in the prevention of neuronal apoptosis by enhancing PI3 kinase activity. Aids the coupling of metabotropic glutamate receptor 1 (GRM1) to cytoplasmic PI3 kinase by interacting with Homer scaffolding proteins, and also seems to mediate anti-apoptotic effects of NGF by activating nuclear PI3 kinase (By similarity). {ECO:0000250}.

**Molecular Weight:** 124.5 kDa

**UniProt:** [Q3UHD9](#)

## 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.

**Restrictions:** For Research Use only

## Handling

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**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