

Datasheet for ABIN7563660
HMHA1 Protein (AA 1-1116) (His tag)



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Overview

Quantity:	1 mg
Target:	HMHA1
Protein Characteristics:	AA 1-1116
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HMHA1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Arhgap45 Protein expressed in mammalian cells.
Sequence:	MFSRKKRELM KTPSISKKNR AGSPNPQSSS GELPRKDWTE APGLEPPATS LSTVAKGTGT LKRPTLSLRH ASAAGFPLSG TATWTLVRGY RSPLSAASPA ELPTEGAFPD GVEDISTLLA DVARFAEGLE KLKECVLQDD LLEARPLAH ECLGEALRVM RQVISRYPLL NTVETLTAAG TLIAKVKAFFH YECNNESDKR EFEKALETIA VSFCTVSEF LLGEVDSSTL LAVPPGDPSQ SMENLYGAGT EGPPHNVEEC EEGCLPPEEV DMLLQRCEGG VDAALQYAKD MARYMKDLIS YLEKRTTLEM EFAKGLQKVV HNCRQSVTHE PHMPLLSIYS LALEQDLEFG HGMVQAAGTL QTQTFMQPLT LRRLEHERRR KEIKESWHRA QRKLQEAEAN LRKAKQGYKQ RCEHDHDKARL QVAKAEQQ GTGPGAGTAA SKALDKRRRL EEEAKNKAEE AMATYRTCVA DAKTQKQELE DTKVTALRQI QEVIRQSDQT IKSATISYYQ LMHMQTAPLP VNFQMLCESS KLYDPGQQYA SHVRQLQRGE EPDVRDYDFEP YVSNNSWSPI MRTRKGSFNP GDASGPEAAG SPPEEGGTSE AAPNKDHRGG RGHQVHKSHP ISISDTEVGL DTSSGDLKKF DRTSSSGTMS SSEELGDQEA GLVASAFDSA DLNGMDPELP VAMPSGPFRH VGLSKAARTH RLRKLRTPAK CRECNSYVYF

Product Details

QGAECEECCL ACHKKCLETL AIQCGHKKLQ GRLQLFGQDF SQAALSTPDG VPFIVKKKVC
EIERRALHTK GIYRVNGVKT RVEKLCQAFE NGKELVELSQ ASPHDISNVL KLYLRQLPEP
LISFRFYHEL VGLAKDSLKA EAEAKAASRG RQGGSESEAA TLAMVGRLRE LMQDLPAENR
ATLLYLLKHL RRIVEMEQDN KMTPGNLIV FGPTLLRPRP TDATVSLSSL VDYPHQARVI
ETLIVHYGLV FEEEEPEAPG SQEGASTQCG QLESAEGIVF PLQEEAEDGS RESHAASNDS
DSELEDASDP LSSSDASALH RLSFLEQTEA GLEEGPQSHS GSEEQLEGED GAPGPWLCHF
NTNQSNNTSR APLPTMRLRG GQITGGTSQE RQPQFV **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.**

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.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: HMHA1

Alternative Name: Arhgap45 ([HMHA1 Products](#))

Background: Rho GTPase-activating protein 45 (Minor histocompatibility protein HA-1),FUNCTION: Contains

Target Details

a GTPase activator for the Rho-type GTPases (RhoGAP) domain that would be able to negatively regulate the actin cytoskeleton as well as cell spreading. However, also contains N-terminally a BAR-domain which is able to play an autoinhibitory effect on this RhoGAP activity. {ECO:0000250|UniProtKB:Q92619}.

Molecular Weight: 122.9 kDa

UniProt: [Q3TBD2](#)

Application Details

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

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