

Datasheet for ABIN7554055
HACE1 Protein (AA 1-909) (His tag)



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Overview

Quantity:	1 mg
Target:	HACE1
Protein Characteristics:	AA 1-909
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HACE1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat HACE1 Protein expressed in mammalian cells.
Sequence:	MERAMEQLNR LTRSLRRART VELPEDNETA VYTLMPMVMA DQHRVSELL SNSKFDVNYA FGRVKRSLH IAANCGSVEC LVLLLKKGAN PNYQDISGCT PLHLAARNGQ KKCMSKLLLEY SADVNICNNE GLTAIHWLAV NGRTELLHDL VQHVSDVDVE DAMGQTALHV ACQNGHKTTV QCLLDGADI NRPNVSGATP LYFACSHGQR DTAQILLLRG AKYLPDKNGV TPLDLCVQGG YGETCEVLIQ YHPRLFQTII QMTQNEDLRE NMLRQVLEHL SQQSESQYLK ILTSLAEVAT TNGHKLLSLS SNYDAQMKSL LRIVRMFCHV FRIGPSSPSN GIDMGYNGNK TPRSQVFKPL ELLWHSLEDEW LVLIATELMK NKRDSTEITS ILLKQKGQDQ DAASIPPFEP PGPGSYENLS TGTRESKPDA LAGRQEASAD CQDVISMTAN RLSAVIQAFY MCCSCQMPPG MTSPRFIEFV CKHDEVKCF VNRNPKIIFD HFHFLLECPE LMSRFMHIK AQPFKDRCEW FYEHLHSGQP DSDMVHRPVN ENDILLVHRD SIFRSSCEVV SKANCAKQKQ GIAVRFHGEE GMGQGVVREW FDILSNEIVN PDYALFTQSA DGTTFQPNSN SYVNPDLNY FRFAGQILGL ALNHRQLVNI

Product Details

YFTRSFYKHI LGIPVNYQDV ASIDPEYAKN LQWILDNDIS DLGLELTFSV ETDVFGAMEE
VPLKPGGGSI LVTQNNKA EY VQLVTELRMT RAIQPQINAF LQGFHMFIPP SLIQLFDEYE
LELLLSGMPE IDVSDWIKNT EYTSGYERED PVIQWFWEVV EDITQEERVL LLQFVTGSSR
VPHGGFANIM GGSGLQNFTI AAVPYTPNLL PTSSTCINML KLPEYPSKEI LKDRLLVALH
CGSYGYTMA **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:

HACE1

Alternative Name:

HACE1 ([HACE1 Products](#))

Background:

E3 ubiquitin-protein ligase HACE1 (EC 2.3.2.26) (HECT domain and ankyrin repeat-containing E3 ubiquitin-protein ligase 1) (HECT-type E3 ubiquitin transferase HACE1),FUNCTION: E3 ubiquitin-protein ligase involved in Golgi membrane fusion and regulation of small GTPases. Acts as a regulator of Golgi membrane dynamics during the cell cycle: recruited to Golgi membrane by Rab proteins and regulates postmitotic Golgi membrane fusion. Acts by mediating ubiquitination during mitotic Golgi disassembly, ubiquitination serving as a signal for

Target Details

Golgi reassembly later, after cell division. Specifically interacts with GTP-bound RAC1, mediating ubiquitination and subsequent degradation of active RAC1, thereby playing a role in host defense against pathogens. May also act as a transcription regulator via its interaction with RARB. {ECO:0000269|PubMed:15254018, ECO:0000269|PubMed:21988917, ECO:0000269|PubMed:22036506}.

Molecular Weight: 102.3 kDa

UniProt: [Q8IYU2](#)

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