

Datasheet for ABIN7555138
CHM Protein (AA 1-653) (His tag)



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Overview

Quantity:	1 mg
Target:	CHM
Protein Characteristics:	AA 1-653
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHM protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CHM Protein expressed in mammalian cells.
Sequence:	<p>MADTLPSEFD VIVIGTGLPE SIIAAACSRS GRRVLHVDSR SYYGGNWASF SFGLLSWLK EYQENSDIVS DSPVWQDQIL ENEEAIASLR KDKTIQHVEV FCYASQDLHE DVEEAGALQK NHALVTSANS TEAADSALFP TEDESLTMS CEMLTEQTPS SDPENALEVN GAEVTGEKEN HCDDKTCVPS TSAEDMSENV PIAEDTTEQP KKNRITYSQI IKEGRRFNID LVSKLLYSRG LLIDLIIKSN VSRYAEFKNI TRILAFREGR VEQVPCSRAD VFNSKQLTMV EKRMLMKFLT FCMEYEKYPD EYKGYEETF YEYLKTQKLT PNLQYIVMHS IAMTSETASS TIDGLKATKN FLHCLGRYGN TPFLFPLYGQ GELPQCFCRM CAVFGGIYCL RHSVQCLVVD KESRKCKAII DQFGQRIISE HFLVEDSYFP ENMCSRQYR QISR AVLITD RSVLKTDSQ QISILVPAE EPGTFAVRVI ELCSSMTMCM KGTYLVHLTC TSSKTAREDL ESVVQKLFVP YTEMEIENEQ VEKPRILWAL YFNMRDSSDI SRSCYNLPS NVYVCSGPDC GLGNDNAVQK AETLFQEICP NEDFCPPPPN PEDIILDGDS LQPEASESSA IPEANSETFK ESTNLGNLEE SSE Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a</p>

Product Details

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: CHM

Alternative Name: CHM ([CHM Products](#))

Background: Rab proteins geranylgeranyltransferase component A 1 (Choroideremia protein) (Rab escort protein 1) (REP-1) (TCD protein),FUNCTION: Substrate-binding subunit of the Rab geranylgeranyltransferase (GGTase) complex. Binds unprenylated Rab proteins and presents the substrate peptide to the catalytic component B composed of RABGGTA and RABGGTB, and remains bound to it after the geranylgeranyl transfer reaction. The component A is thought to be regenerated by transferring its prenylated Rab back to the donor membrane. Besides, a pre-formed complex consisting of CHM and the Rab GGTase dimer (RGGT or component B) can bind to and prenylate Rab proteins, this alternative pathway is proposed to be the predominant pathway for Rab protein geranylgeranylation. {ECO:0000269|PubMed:18532927,

Target Details

ECO:0000269|PubMed:7957092}.

Molecular Weight: 73.5 kDa

UniProt: [P24386](#)

Pathways: [Sensory Perception of Sound](#)

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