

Datasheet for ABIN7559736

CHAC1 Protein (AA 1-223) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CHAC1
Protein Characteristics:	AA 1-223
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHAC1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Chac1 Protein expressed in mammalien cells.
Sequence:	<p>MKQESASQST PPPSLSPAPS SAQPSWGDGD PQALWIFGYG SLVWKPDFAY SDSRVGFVRG YSRRFWQGDT FHRGSDKMPG RVVTLLDRE GCTWGVAYQV RGEQVNEALK YLNVREAVLG GYDTKEVTFY PQDTPDQPLT ALAYVATPQN PGYLGPAPEE VIATQILACR GFSGHNLEYL LRLADFMQLC GPQAQDEHLE AIVDAVGTLL PCSYLPEQPL ALT 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.</p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and

Product Details

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: CHAC1

Alternative Name: Chac1 ([CHAC1 Products](#))

Background: Glutathione-specific gamma-glutamylcyclotransferase 1 (Gamma-GCG 1) (EC 4.3.2.7) (Blocks Notch protein) (Botch) (Cation transport regulator-like protein 1),FUNCTION: Catalyzes the cleavage of glutathione into 5-oxo-L-proline and a Cys-Gly dipeptide. Acts specifically on glutathione, but not on other gamma-glutamyl peptides. Glutathione depletion is an important factor for apoptosis initiation and execution. Acts as a pro-apoptotic component of the unfolded protein response pathway by mediating the pro-apoptotic effects of the ATF4-ATF3-DDIT3/CHOP cascade (By similarity). Negative regulator of Notch signaling pathway involved in embryonic neurogenesis: acts by inhibiting Notch cleavage by furin, maintaining Notch in an immature inactive form, thereby promoting neurogenesis in embryos (PubMed:22445366). {ECO:0000250|UniProtKB:Q9BUX1, ECO:0000269|PubMed:22445366, ECO:0000269|PubMed:23070364}.

Molecular Weight: 24.5 kDa

UniProt: [Q8R3J5](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies

Application Details

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