

Datasheet for ABIN7546839

CARNS1 Protein (AA 1-827) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CARNS1
Protein Characteristics:	AA 1-827
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CARNS1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CARNS1 Protein expressed in mammalian cells.
Sequence:	MLLCLSPAWL MKVPAPGQPG EAALLVSKAV SFHPGGLTFL DDFVPPRRAT YFLAGLGLGP GRGREAAELA RDLTCPTGAS AELARLLEDR LLTRQLLAQQ GGVAVPATLA FTYKPPGLLR GGDASLGLRL VELSGKEGQE TLVKEEVEAF LRSEALGDIL QVAVKLSGWR WRGRQAWRLH PRAELGAVVD TVLALLEKLE EEESVLVEAV YPPAQLPCSD GPSPGPGLAV RICAIVCRTQ GDRPLLSKVV CGVGRGDRPL RHHNSLPRTL EVALAQCGLG EEAQVA AVRQ RVKAAAEAAAL AAVLALEAGL SAEQRGGRRR HTDFLGVDFA LTAAGGVLT VPVLELNGGLC LEACGALEGL WAAPRLGPAA DEVAAPLVE TMLRRSARCL MEGKQLLVVG AGGVSKKFWV EAARDYGLQL HLVESDPNHF ASQLVQTFIH FDMTEHRRDE ENARLLAELV RARGLKLDGC FSYWDDCLVL TALLCQELGL PCSSPAAMRL AKQKSLTQLH LLHHHGPPWP APSLHAVPCC PLESEADVER AVHQVPLPGV MKLEFGAGAV GVRLVEDAPQ CHEHFSRITR DLQGEADHPG IGLGWGNAML LMEFVEGTEH DVDLVLFVGG LLAAFVSDNG PTRLPGF TET AACMPTGLAP EQE AQMVQAA FRCCLGCGLL DGVFNVELKL TGAGPRLIEI NPRMGGFYLR DWILELYGVD LLLAAVMVAC

Product Details

GLRPALPTRP RARGHLVGVM CLVSQHLQAL SSTASRETLQ ALHDRGLLRL NLLEEALVPG
EYEEPYCSVA CAGPSPTEAR LRLGLCQGL GIDGPSYPVA HFLSHFK **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: CARNS1

Alternative Name: CARNS1 ([CARNS1 Products](#))

Background: Carnosine synthase 1 (EC 6.3.2.11) (ATP-grasp domain-containing protein 1),FUNCTION: Catalyzes the synthesis of carnosine and homocarnosine. Carnosine is synthesized more efficiently than homocarnosine. {ECO:0000269|PubMed:20097752}.

Molecular Weight: 88.5 kDa

UniProt: [A5YM72](#)

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
