

Datasheet for ABIN7558141
CARNS1 Protein (AA 1-827) (His tag)



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Overview

Quantity:	1 mg
Target:	CARNS1
Protein Characteristics:	AA 1-827
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CARNS1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Carns1 Protein expressed in mammalien cells.
Sequence:	MLLCLSPAWL MKVATPGQEG EAVLLVSKAV SFYPGGLTFL DDFVPPRHAT YFLAGLGPES GRGKEAAELA RNLTCPTGTS SELSQLLENR LLMRWLLSQQ SGVAVPATLA FTYRPPGLLR GGDASPGLRL VELSGKEGQE TLVKEEVEAF VHSEALGDAS QVAVRLSGCR WRGQQALPLH LRVEPSTVVN TVLGLLEKLE EEESVLVEAM CPPVRLPLPG GPAPGPELAV RICAIVCRIQ GDRPLLSKVV CGVGRGDRPV RHHYTLPRTL RVALAQCGLE EEAQVALLEQ GIKEAAEGAL AAVLALEAGL SVEQRGGRQV HTDFLGVLDV LTVIGRTLTP VVLKLNGLC LEACGALEGL WAVPRLRRSA EAAAAAPLVE TMLRRSGRHL MDGKQLLVIG AGGVSKKFW EAARDYGLTL HLVESDPNHF ASQLVQTFIH FDVTEHRRDE ENALLLAELV RARNLKLDGC FSWDDCLVL TALLCRELGL PCSPPAAMCL AKQKSRTQLH LLRCQGPPWP STSLHAVACC PLENEADVER AIYQVPLPGV MKLEFGSGAV GVQLVKDGPQ CREHFSRILH DLQGEADHPG IGLGWGNAML LMEFVEGTEH DVDLVWFGGR LLAAFVSDNG PTRLPGFTET AACMPTGLAP EQEAQVVQAA

Product Details

FRCCLGCGLL DGVFNVELKM TGAGPRLIEI NPRMGGFYLR DWILELYGVD LLLASTMVIC
GLQPALPAHP RARGYLVGIM CLVSQHLQLL SSPSSRETLQ TLHDQQQLRL NLLEEALIPG
QYEOPYCNVA CAGPSPAEC HRLLGICQGL GIDRPNYPVA 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.

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:

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:

89.3 kDa

UniProt:

[Q6ZPS2](#)

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
