

Datasheet for ABIN7550341
CROT Protein (AA 1-612) (His tag)



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Overview

Quantity:	1 mg
Target:	CROT
Protein Characteristics:	AA 1-612
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CROT protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CROT Protein expressed in mammalian cells.
Sequence:	MENQLAKSTE ERTFQYQDSL PSLPVPSLEE SLKKYLESVK PFANQEEYKK TEEIVQKFQS GIGELHQLK LERAKGKRNV LEEWWLNVAY LDVRIPSQLN VNFAGPAAHF EHYWPPKEGT QLERGSITLW HNLNYWQLLR KEKVPVHKVG NTPLDMNQFR MLFSTCKVPG ITRDSIMNYF RTESEGRSPN HIVLCRGRA FVFDVIEGEC LVTPPELLRQ LTYIHKKCHS EPDGPGLAAL TSEERTRWAK AREYLIGLDP ENLALLEKIQ SLLVYSMED SSPHVTPEDY SEIIAAILIG DPTVRWGDKS YNLISFSNGV FGCNCDHAPF DAMIMVNISY YVDEKIFQNE GRWKGSEKVR DIPLPEELIF IVDEKVLNDI NQAKAQYLRE ASDLQIAAYA FTSFGKKLTK NKMLHPDFTI QLALQLAYYR LHGHPGCCYE TAMTRHFYHG RTETMRSCV EAVRWCQSMQ DPSVNLRRERQ QKMLQAFAXH NKMMKDCSAG KGFDRHLLGL LLIKKEGLP VPELFTDPLF SKSGGGGNFV LSTSLVGILR VQGVVPMVH NGYGFFYHIR DDRFVVACSA WKSCPETDAE KLVQLTFCAF HDMIQLMNST HL 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: CROT

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

Background: Peroxisomal carnitine O-octanoyltransferase (COT) (EC 2.3.1.137),FUNCTION: Beta-oxidation of fatty acids. The highest activity concerns the C6 to C10 chain length substrate. Converts the end product of pristanic acid beta oxidation, 4,8-dimethylnonanoyl-CoA, to its corresponding carnitine ester. {ECO:0000269|PubMed:10486279}.

Molecular Weight: 70.2 kDa

UniProt: [Q9UKG9](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

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