

Recombinant Human CROT Protein (1-87 aa), GST-tagged

Cat. No. CROT-2122H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CROT Protein (1-87 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Research Area: Tags & Cell Markers. Protein Description: Full Length of Isoform 2.
Species	Human
Source	E.coli
ProteinLength	1-87 aa
Description	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.
Form	Tris-based buffer,50% glycerol
Molecular Mass	37.2 kDa
AA Sequence	MENQLAKSTEERTFQYQDSLPLPVPSPLEESLKKYLESVKPFANQEEYKKTEEIVQK FQSGIGEKLHQKLLERAKGKRNVVFFVIIIE
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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Storage

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration

A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name

[CROT carnitine O-octanoyltransferase \[Homo sapiens \]](#)

Official Symbol

[CROT](#)

Synonyms

CROT; carnitine O-octanoyltransferase; COT;

Gene ID

[54677](#)

mRNA Refseq

[NM_001143935](#)

Protein Refseq

[NP_001137407](#)

MIM

[606090](#)

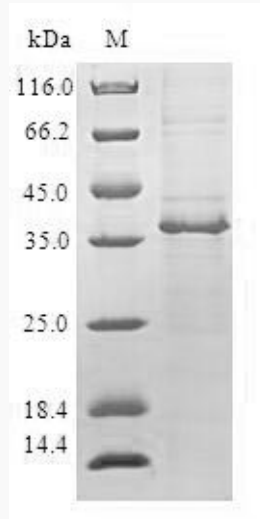
UniProt ID

[Q9UKG9](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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