



Recombinant Human CROT Protein Product Manual

1. Product Basic Information

Product No.: REP06550

Protein Name: Carnitine O-Octanoyltransferase (CROT)

Aliases: carnitine O-octanoyltransferase; peroxisomal carnitine acyltransferase; peroxisomal carnitine O-octanoyltransferase

UniProt ID: Q9UKG9

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9UKG9/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Isoform 2 (1-87aa)

Molecular Weight: 37.2kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1-87aa)

MENQLAKSTEERTFQYQDSLPSLPVPSLEESLKKYLESVKPFANQEEYKKTEEIVQK
FQSGIGEKLHQKLLERAKGKRNVWFVVIIE

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.



5. Product Description

This product is a recombinant Human CROT full length of isoform 2 protein (1-87aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. CROT, also known as carnitine O-octanoyltransferase or peroxisomal carnitine acyltransferase or peroxisomal carnitine O-octanoyltransferase, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.