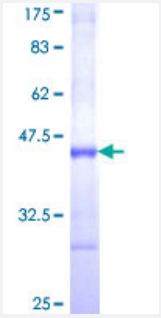
CROT (Human) Recombinant Protein (Q01)

Catalog # H00054677-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CROT partial ORF (NP_066974, 2 a.a. - 99 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	ENQLAKSTEERTFQYQDSLPSLPVPSLEESLKKYLESVKPFANQEEYKKTEEIVQKFQSGIGEKLHQKLLERAKGKRNWLEEWWLNVAYLDVRIPSQL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (85); Rat (84)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CROT

Entrez GeneID	54677
GeneBank Accession#	NM_021151
Protein Accession#	NP_066974
Gene Name	CROT
Gene Alias	COT
Gene Description	carnitine O-octanoyltransferase
Omim ID	606090
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the carnitine/choline acetyltransferase family. The encoded protein converts 4,8-dimethylnonanoyl-CoA to its corresponding carnitine ester. This transesterification occurs in the peroxisome and is necessary for transport of medium- and long- chain acyl-CoA molecules out of the peroxisome to the cytosol and mitochondria. The protein thus plays a role in lipid metabolism and fatty acid beta-oxidation. Alternatively spliced transcript variants have been described
Other Designations	peroxisomal carnitine O-octanoyltransferase|peroxisomal carnitine acyltransferase|peroxisomal carnitine octanoyltransferase

Disease

- Tobacco Use Disorder