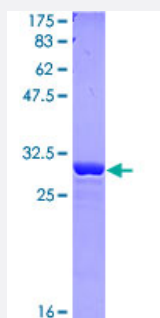


OXCT1 (Human) Recombinant Protein (Q01)

Catalog # H00005019-Q01

Size 25 ug, 10 ug

Applications



Specification

| | |
|--------------------------------------|--|
| Product Description | Human OXCT1 partial ORF (NP_000427, 75 a.a. - 128 a.a.) recombinant protein with GST-tag at N-terminal. |
| Sequence | DALLKTGVKGLTAVSNNAGVDNFGGLLLRSKQIKRMVSSYVGENAEFERQYLS |
| Host | Wheat Germ (in vitro) |
| Theoretical MW (kDa) | 31.68 |
| Interspecies Antigen Sequence | Mouse (94); Rat (94) |
| 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 — OXCT1

Entrez GeneID [5019](#)

GeneBank Accession# [NM_000436](#)

Protein Accession# [NP_000427](#)

Gene Name OXCT1

Gene Alias OXCT, SCOT

Gene Description 3-oxoacid CoA transferase 1

Omim ID [245050 601424](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the 3-oxoacid CoA-transferase gene family. The encoded protein is a homodimeric mitochondrial matrix enzyme that plays a central role in extrahepatic ketone body catabolism by catalyzing the reversible transfer of coenzyme A from succinyl-CoA to acetoacetate. Mutations in this gene are associated with succinyl CoA:3-oxoacid CoA transferase deficiency. [provided by RefSeq]

Other Designations succinyl CoA:3-oxoacid CoA transferase|succinyl-CoA:3-ketoacid-CoA transferase

Pathway

- [Butanoate metabolism](#)
- [Synthesis and degradation of ketone bodies](#)

- [Valine](#)