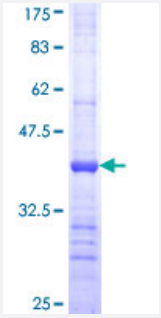
ACOX2 (Human) Recombinant Protein (Q01)

Catalog # H00008309-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ACOX2 partial ORF (NP_003491, 582 a.a. - 681 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	HGILTNSGDFLHDAFLSGAQVDMARTAYLDLLRLIRKDAILLTDAFDFTDQCLNSALGCYDGNVYE RLFQWAQKSPTNTQENPAYEEYIRPLLQSWRSKL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (85); Rat (83)
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 — ACOX2

Entrez GeneID	8309
GeneBank Accession#	NM_003500
Protein Accession#	NP_003491
Gene Name	ACOX2
Gene Alias	BCOX, BRCACOX, BRCOX, THCCox
Gene Description	acyl-Coenzyme A oxidase 2, branched chain
Omim ID	601641
Gene Ontology	Hyperlink
Gene Summary	The product of this gene belongs to the acyl-CoA oxidase family. It encodes the branched-chain acyl-CoA oxidase which is involved in the degradation of long branched fatty acids and bile acid intermediates in peroxisomes. Deficiency of this enzyme results in the accumulation of branched fatty acids and bile acid intermediates, and may lead to Zellweger syndrome, severe mental retardation, and death in children. [provided by RefSeq
Other Designations	Peroxisomal branched chain acyl-CoA oxidase|THCA-CoA oxidase|Trihydroxycoprostanoyl-CoA oxidase

Pathway

- Metabolic pathways
- PPAR signaling pathway
- Primary bile acid biosynthesis

Disease

- Tobacco Use Disorder