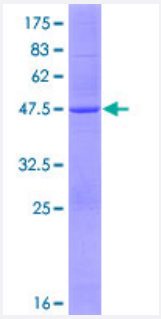
Full-Length

MCAT (Human) Recombinant Protein (P01)

Catalog # H00027349-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MCAT full-length ORF (NP_055322.1, 1 a.a. - 180 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSVRVARVAWVRGLGASYRRGASSFPVPPPGAQGVAELLRDATGAEEEAPWAATERRMPGQC SVLLFPGQGSQVVGMGRGLLNYPRVRELYAAARRVLGYDLLELSLHGPQETLDRTVHCQPAIFVA SLAAVEKLHHLQPSVIENCVAAAGFSVGEFAALVFAGAMEFAEGSTVSPEEFL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	45.6
Interspecies Antigen Sequence	Mouse (74); Rat (73)
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 — MCAT

Entrez GeneID	27349
GeneBank Accession#	NM_014507.2
Protein Accession#	NP_055322.1
Gene Name	MCAT
Gene Alias	FASN2C, MCT, MGC47838, MT, fabD
Gene Description	malonyl CoA:ACP acyltransferase (mitochondrial)
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is found exclusively in the mitochondrion, where it catalyzes the transfer of a malonyl group from malonyl-CoA to the mitochondrial acyl carrier protein. The encoded protein may be part of a fatty acid synthase complex that is more like the type II prokaryotic and plastid complexes rather than the type I human cytosolic complex. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	malonyl-CoA:acyl carrier protein transacylase, mitochondrial|mitochondrial malonyltransferase

Pathway

- Fatty acid biosynthesis
- Metabolic pathways

Disease

- Disease Susceptibility
- Kidney Failure
- Prostatic Neoplasms