

3-ketoacyl-CoA thiolase Recombinant Protein | ACAA2 recombinant protein

Recombinant Human 3-ketoacyl-CoA thiolase, mitochondrial

CATALOG # AAA113265	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
-------------------------------	---

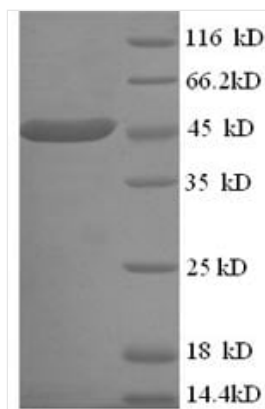
PRODUCT SYNONYMS

3-ketoacyl-CoA thiolase; Recombinant Human 3-ketoacyl-CoA thiolase; mitochondrial; Acetyl-CoA acyltrans ferase; Beta-ketothiolase; Mitochondrial 3-oxoacyl-CoA thiolase; T1; ACAA2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	17-397aa; Full Length of Mature Protein
Sequence	FGAYGGLLDK FTATDLSEFA AKAALSAGKV SPETVDSVIM GNVLQSSSDA IYLARHVGLR VGIPKETPAL TINRLCGSGF QSIVNGCQEI CVKEAEVVLG GGTESMSQAP YCVRNVRFGT KLGSDIKLED SLWVSLTDQH VQLPMAMTAE NLAVKHKISR EECDKYALQS QQRWKAANDA GYFNDEMAPI EVKTKKGKQT MQVDEHARPO TTLEQLQKLP PVFKKDGTVT AGNASGVADG AGAVIIASED AVKKHNFTPL ARIVGYFVSG CDPSIMGIGP VPAISGALKK AGLSLKDMDL VEVNEAFAPQ YLAVERSLDL DISKTNVNGG AIALGHPLGG SGSRITAHV HELRRRGKY AVGSACIGGG QGIIVIIQST A
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ACAA2 recombinant protein	Abolishes BNIP3-mediated apoptosis and mitochondrial damage.
Product Categories/Family for ACAA2 recombinant protein	Metabolism

References	Cloning and sequence analysis of a full length cDNA encoding human mitochondrial 3-oxoacyl-CoA thiolase.Abe H., Ohtake A., Yamamoto S., Satoh Y., Takayanagi M., Amaya Y., Takiguchi M., Sakuraba H., Suzuki Y., Mori M., Niimi H.Biochim. Biophys. Acta 1216:304-306(1993) Vectorial proteomics reveal targeting, phosphorylation and specific fragmentation of polymerase I and transcript release factor (PTRF) at the surface of caveolae in human adipocytes.Aboulaich N., Vainonen J.P., Stralfors P., Vener A.V.Biochem. J. 383:237-248(2004) Acetyl-Coenzyme A acyltransferase 2 attenuates the apoptotic effects of BNIP3 in two human cell lines.Cao W., Liu N., Tang S., Bao L., Shen L., Yuan H., Zhao X., Lu H.Biochim. Biophys. Acta 1780:873-880(2008) A quantitative atlas of mitotic phosphorylation.Dephoure N., Zhou C., Villen J., Beausoleil S.A., Bakalarski C.E., Elledge S.J., Gygi S.P.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008) Initial characterization of the human central proteome.Burkard T.R., Planyavsky M., Kaupe I., Breitwieser F.P., Buerckstuemmer T., Bennett K.L., Superti-Furga G., Colinge J.BMC Syst. Biol. 5:17-17(2011) An enzyme assisted RP-RPLC approach for in-depth analysis of human liver phosphoproteome.Bian Y., Song C., Cheng K., Dong M., Wang F., Huang J., Sun D., Wang L., Ye M., Zou H.J. Proteomics 96:253-262(2014)
------------	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	167614485
NCBI GeneID	10449
NCBI Accession #	NP_006102.2
NCBI GenBank Nucleotide #	NM_006111.2
UniProt Accession #	P42765; Q9BUT6
Molecular Weight	42.2 kDa
NCBI Official Full Name	3-ketoacyl-CoA thiolase, mitochondrial
NCBI Official Synonym Full Names	acetyl-CoA acyltransferase 2
NCBI Official Symbol	ACAA2
NCBI Official Synonym Symbols	DSAEC
NCBI Protein Information	3-ketoacyl-CoA thiolase, mitochondrial
UniProt Protein Name	3-ketoacyl-CoA thiolase, mitochondrial
UniProt Gene Name	ACAA2
UniProt Entry Name	THIM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.