

Recombinant Full Length Human ACSF3 Protein, GST-tagged

Cat. No. ACSF3-788HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACSF3 full-length ORF (AAH28399.1, 1 a.a. - 576 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	576 amino acids
Description	This gene encodes a member of the acyl-CoA synthetase family of enzymes that activate fatty acids by catalyzing the formation of a thioester linkage between fatty acids and coenzyme A. The encoded protein is localized to mitochondria, has high specificity for malonate and methylmalonate and possesses malonyl-CoA synthetase activity. Mutations in this gene are a cause of combined malonic and methylmalonic aciduria. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Sep 2013]
Molecular Mass	90.6 kDa
AA Sequence	MPPHVLTFR RLGCALASCR LAPARHRGSG LLHTAPVARS DRSAPVFTRA LAFGDRIALV DQHGRHTYRE LYSRSLRLSQ EICRLCGCVG GDLREERVSF LCANDASYVV AQWASWMSGG VAVPLYRKHP AAQLEYVICD SQSSVVLVSQ EYLELLSPVV RKLGVPLPL TPAYITGAVE EPAEVPVPEQ GWRNKGAMII YTS GTTGRPK GVLSTHQNIR AVVTGLVHKW AWTKDDVILH VLPLHHVHGV VNALLCPLWV GATCVMMPEF SPQQVWEKFL SSETPRINVF MAVPTIYTKL

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MEYYDRHFTQ PHAQDFLRV CEEKIRLMVS GSAALPLPVL EKWKNTGHT
 LLERYGMTEI GMALSGPLTT AMRLPGSVGT PLPGVQVRIV SENPQREACS
 YTIHAEGDER GTKVTPGFEE KEGELLVRGP SVFREYWNKP EETKSAFTLD
 GWFKTGDTVV FKDGQYWIRG RTSVDIIKTG GYKVSALVEV WHLLAHPSIT
 DVAVIGVPDM TWGQRTAVV TLREGHSLSH RELKEWARNV LAPYAVPSEL
 VLVEEIPRNQ MGKIDKKALI RHFHPS

Applications

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

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

ACSF3 acyl-CoA synthetase family member 3 [Homo sapiens]

Official Symbol

ACSF3

Synonyms

ACSF3; acyl-CoA synthetase family member 3; acyl-CoA synthetase family member 3, mitochondrial; FLJ39242

Gene ID

197322

mRNA Refseq

NM_001127214

Protein Refseq

NP_001120686

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MIM	614245
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UniProt ID	Q4G176
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