

Recombinant Human ACSF3 Protein, GST-tagged

Cat. No. ACSF3-194H **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	Wheat Germ
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	MPPHVVLTFRRLLGCALASCRLAPARHRGSGLLHTAPVARSDRSAPVFTRALAFGDRI ALVDQHGRHTYRELYSRSLRLSQEICRLCGCVGGDLREERVSFCLCANDASYVVAQ WASWMSGGVAVPLYRKHPAAQLEYVICDSQSSVVLVSQEYLELLSPVVRKLGVP PLTPAIYTGAVEEPAEVPVPEQGWRNKGAMIIYTS GTTGRPKGVLSTHQNIRAVVTG LVHKWAWTKDDVILHVLPLHHVHG VVNALLCPLWVGATCVMMP EFSPQQVWEKFL SSETPRINVFMAVPTIYTKLMEYYDRHFTQPHAQDFLRVCEEKIRLMVSGSAALPLP VLEKWKNITGHTLLERYGMTEIGMALSGPLTTAMRLPGSVGTPLPGVQVRIVSENPQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

REACSYTIHAEGDERGTKVTPGFEEKEGELLVRGPSVFREYWNKPEETKSAFTLDG
WFKTGDTVVFKDGQYWIRGRTSVDIIKTGGYKVSALVEVHLLAHPSITDVAVIGVP
DMTWGQRVTA VVTLREGHSLSHRELKEWARNVLAPYAVPSELVLVEEIPRNQMGKI
DKKALIRHFHPS

Applications

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

Notes Best use within three months from the date of receipt of this protein.

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

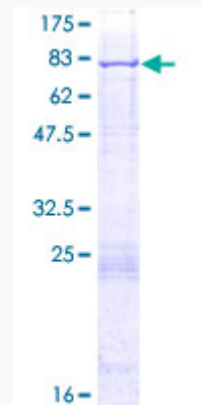
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MIM 614245

UniProt ID Q4G176



12.5% SDS-PAGE Stained with Coomassie Blue.

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