

Recombinant Full Length Human ACSL6 Protein, GST-tagged

Cat. No. ACSL6-805HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACSL6 full-length ORF (AAH47453, 1 a.a. - 622 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	622 amino acids
Description	The protein encoded by this gene catalyzes the formation of acyl-CoA from fatty acids, ATP, and CoA, using magnesium as a cofactor. The encoded protein plays a major role in fatty acid metabolism in the brain. Translocations with the ETV6 gene are causes of myelodysplastic syndrome with basophilia, acute myelogenous leukemia with eosinophilia, and acute eosinophilic leukemia. Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Apr 2011]
Molecular Mass	94.16 kDa
AA Sequence	MQTQEILRIL RLPGLGDLGQ FFRSLSATTL DSGGARRSVI GSGPQLLTHY YDDARTMYQV FRRGLSISGN GPCLGFRKPK QPYQWLSYQE VADRAEFLGS GLLQHNCKAC TDQFIGVFAQ NRPEWIIVEL ACYTYSMVVV PLYDTLGPGA IRYIINTADI STVIVDKPQK AVLLLEHVER KETPGLKLII LMDPFEEALK ERGQKCGVVI KSMQAVEDCG QANHQAPVPP QPDDLIVCF TSGTTGNPKG AMLTHGNVVA DFSGFLKVTE GDIRLLSDDM KALCPTIFPV VPRLNRMVD

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KIFSQANTPL KRWLLEFAAK RKQAEVRSGI IRNDSIWDEL FFNKIQASLG
 GCVRMIVTGA APASPTVLGF LRAALGCQVY EGYGQTECTA GCTFTTPGDW
 TSGHVGAPLP CNHIKLV DVE ELNYWACKGE GEICVRGPNV FKGYLKDPDR
 TKEALDSDGW LHTGDIGKWL PAGTLKIIDR KKHIFKLAQG EYVAPEKIEN
 IYIRSQPVAQ IYVHGDSLKA FLVGIVVPDP EVMPSWAQKR GIEGTYADLC
 TNKDLKKAIL EDMVRLGKES GLHSFEQVKA IHIHSDMFSV QNGLLTPTLK
 AKRPELREYF KKQIEELYSI SM

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

[ACSL6 acyl-CoA synthetase long-chain family member 6 \[Homo sapiens \]](#)

Official Symbol

[ACSL6](#)

Synonyms

ACSL6; acyl-CoA synthetase long-chain family member 6; FACL6, fatty acid Coenzyme A ligase, long chain 6; long-chain-fatty-acid--CoA ligase 6; ACS2; KIAA0837; LACS2; LACS5; long fatty acyl-CoA synthetase 2; fatty-acid-Coenzyme A ligase, long-chain 6; FACL6; LACS 6; FLJ16173

Gene ID

[23305](#)

mRNA Refseq

[NM_001009185](#)

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Protein Refseq	NP_001009185
MIM	604443
UniProt ID	Q9UKU0

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