

Recombinant Human ACSL6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ACSL6-2966H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ACSL6 MS Standard C13 and N15-labeled recombinant protein (NP_001009185) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	80.4 kDa
AA Sequence	MLTFFLVSGGSLWLFVEFVLSLLEKMQTQEILRILRLPELGDLGQFFRSLSATTLVSM GALAAILAYWFTHRPKALQPPCNLLMQSEEVEDSGGARRSVIGSGPQLLTHYYDDA RTMYQVFRRGLSISGNPCLGFRKPKQPYQWLSYQEVAADRAEFLGSGLLQHNCKA CTDQFIGVFAQNRPEWIIVELACYTYSMVVPLYDTLGPAGAIRYIINTADISTVIVDKPQ KAVLLLEHVERKETPGLKLIILMDPFEEALKERGQKCGVVIKSMQAVEDCGQENHQA PVPPQPDDLIVCFTSGTTGNPKGAMLTGNNVADFSGLKVTETKVFPRQDDVLISF LPLAHMFERVIQSVVYCHGGRVGGFFQGDIRLLSDDMKALCPTIFPVPRLLNRMYSKI

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FSQANTPLKRWLLEFAAKRKQAEVRSGIIRNDSIWDELFFNKIQASLGGCVRMIVTGA
 APASPTVLGFLRAALGCQVYEGYGQTECTAGCTFTTPGDWTS GHVGAPLPCNHIKL
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 AGTLKIIDRKKHIFKLAQGEYVAPEKIENIYIRSQPVAQIYVHGD SLKAFLVGIVVPDPE
 VMPSWAQKRGIEGTYADLCTNKDLKKAILED MVRLGKESGLHSFEQVKAIHIHSDMF
 SVQNGLLTPTLKA KRPELREYFKKQIEELY SISMTRTRPLEQKLISEEDLAANDILDYK
 DDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

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](#)

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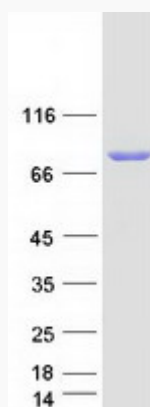
mRNA Refseq [NM_001009185](#)

Protein Refseq [NP_001009185](#)

MIM [604443](#)

UniProt ID [Q9UKU0](#)

SDS-PAGE



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