

## Recombinant Human ACSL6 Protein, His-tagged

**Cat. No.** ACSL6-59H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Overview</b> | Recombinant Human ACSL6 Protein (Ala393-Met697) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | Ala393-Met697                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 37.6 kDa<br>Accurate Molecular Mass: 38 kDa                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                     |
| <b>Reconstitution</b>   | Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                            |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>        | ACSL6 acyl-CoA synthetase long-chain family member 6 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                |
| <b>Official Symbol</b>  | ACSL6                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | 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                                                           |
| <b>Gene ID</b>          | 23305                                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>      | NM_001009185                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>   | NP_001009185                                                                                                                                                                                                                                                                                                                                 |
| <b>MIM</b>              | 604443                                                                                                                                                                                                                                                                                                                                       |

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UniProt ID

Q9UKU0

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