

## Product datasheet for **TP311883M**

### ACSL6 (NM\_001009185) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human acyl-CoA synthetase long-chain family member 6 (ACSL6), transcript variant 2, 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC211883 representing NM\_001009185  
**Red**=Cloning site **Green**=Tags(s)

MLTFFLVSGGSLWLFVEFVLSLLEKMQTQEILRILRPELGDLDGQFFRSLSTLTVSMGALAAILAYWFT  
HRPKALQPPCNLLMQSEEVEDSGGARRSVIGSGPQLLTHYYDDARTMYQVFRRLSISGNGPCLGFRKPK  
QPYQWLSYQEADRAEFLGSGLLQHNCKACTDQFIGVFAQNRPEWIIVELACYTYSMVVPLYDITLGP  
IRYIINTADISTVIVDKPQKAVLLEHVERKETPGLKLIILMDPFEEALKERGQKCGVVIKSMQAVEDCG  
QENHQAPVPPQPDDLSIVCFTSGTTGNPKGAMLTGNNVADFSGFLKVTEKVFPRQDDVLISFLPLAHM  
FERVIQSVVYCHGGRVGGFFQGDIRLLSDDMKALCPTIFVPRLLNRMVYDKIFSQANTPLKRWLLEFAAK  
RKQAEVRSIIRNDSIWDELFFNKIQASLGGCVRMIVTGAAPASPTVLGFLRAALGCQVYEGYGQTECTA  
GCTFTTPGDWTSGHVGPAPLPCNHIKLVDEELNYWACKGEGEICVRGPNVFKGYLKDPDRTEALDSDGW  
LHTGDIGKWLPAAGTLKIIDRKKHIFKLAQGEYVAPEKIENIYRSQPVAQIYVHGDLSLKAFLVGIWVDP  
EVMPSWAQKRGIEGTYADLCTNKDLKKAILEDMVRLGKESGLHSFEQVKAIHIHSDMFSVQNGLLTPTLK  
AKRPELREYFKKQIEELYSISM

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

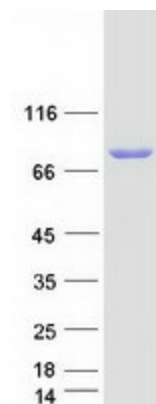
**Tag:** C-Myc/DDK  
**Predicted MW:** 80.4 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  
**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001009185</a>
<b>Locus ID:</b>	23305
<b>UniProt ID:</b>	<a href="#">Q9UKU0</a>
<b>RefSeq Size:</b>	3047
<b>Cytogenetics:</b>	5q31.1
<b>RefSeq ORF:</b>	2166
<b>Synonyms:</b>	ACS2; FAFL6; LACS2; LACS5; LACS 6
<b>Summary:</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.[provided by RefSeq, Apr 2011]
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Adipocytokine signaling pathway, Fatty acid metabolism, Metabolic pathways, PPAR signaling pathway

### Product images:



Coomassie blue staining of purified ACSL6 protein (Cat# [TP311883]). The protein was produced from HEK293T cells transfected with ACSL6 cDNA clone (Cat# [RC211883]) using MegaTran 2.0 (Cat# [TT210002]).