

Recombinant Human ACSL3 Protein, Myc/DDK-tagged

Cat. No. ACSL3-1483H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human acyl-CoA synthetase long-chain family member 3 (ACSL3), transcript variant 1 with a C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. This isozyme is highly expressed in brain, and preferentially utilizes myristate, arachidonate, and eicosapentaenoate as substrates. The amino acid sequence of this isozyme is 92% identical to that of rat homolog. Two transcript variants encoding the same protein have been found for this gene.
Molecular Mass	80.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.

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Concentration >50 µg/mL as determined by microplate BCA method.

Storage Buffer 25 mM Tris-HCl, pH 7.3, 100 mM glycine, 10% glycerol

GENE INFORMATION

Gene Name [ACSL3 acyl-CoA synthetase long chain family member 3 \[Homo sapiens \(human\) \]](#)

Official Symbol [ACSL3](#)

Synonyms ACSL3; acyl-CoA synthetase long chain family member 3; ACS3; FACL3; LACS3; LACS 3; PRO2194; long-chain-fatty-acid--CoA ligase 3; arachidonate--CoA ligase; fatty-acid-Coenzyme A ligase, long-chain 3; lignoceroyl-CoA synthase; long-chain acyl-CoA synthetase 3; EC 6.2.1.15; EC 6.2.1.3

Gene ID [2181](#)

mRNA Refseq [NM_004457](#)

Protein Refseq [NP_004448](#)

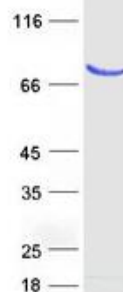
MIM [602371](#)

UniProt ID [O95573](#)

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SDS-PAGE

Coomassie blue staining of purified ACSL3 protein. The protein was produced from HEK293T cells transfected with ACSL3 cDNA clone using MegaTran 2.0.

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