

## Product datasheet for **TP313380L**

### ACSL5 (NM\_203379) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human acyl-CoA synthetase long-chain family member 5 (ACSL5), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213380 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MDALKPPCLWRNHERGKKDRDSCGRKNSEPGSPHSLEALRDAAPSQGLNLLLLFTKMLFIFNFLFSPPLT  
PALICILTFGAAIFLWLITRPQPVLPLDLLNNSVGIIEGGARKGVSQKNNDLTSCCFSDAKTMYEVFQRG  
LAVSDNGPCLGYRKNQPYRWLSYKQVSDRAEYLGSCLLHKGYSPPDQFVGFIFAQNRPEWISLACYT  
YSMVAVPLYDTLGPEAIVHIVNKADIAMVICDTPQKALVLIGNVEKGFPSLKVILMDPFDDDLKQRGE  
KSGIEILSLYDAENLGKEHFRKPVPPSPEDLSVICFTSGTTGDPKGAMITHQNIVSNAAAFLKCVEHAYE  
PTPDDVAISYLPLAHMFERIVQAVVYSCGARVGGFFQGDIRLLADDMKTLPKPTLFPVPRLLNRIYDKVQN  
EAKTPLKKFLLKLVSSKFELQKGIIRHDSFWDKLIFAKIQDSLGGRRVIVITGAAPMSTSVMTFFRAA  
MGCQVYEAYGQTECTGGCTFTLPGDWTSGHVGVPPLACNYVKLEDVADMNYFTVNNEGEVCIKGTNVFKGY  
LKDPEKTQEALDSDGWLHTGDIGRWLPNGTLKIIDRKNIFKLAQGEYIAPEKIENIYNRSQPVLQIFVH  
GESLRSSLVGVVVPDPTDVLPSFAAKLGVKGSFEELCQNQVVREAILEDLQKIGKESGLKTFEQVKAIFLH  
PEPFSIENGLLTPTLKAARGELSKEYFRTQIDSLYEHIQD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

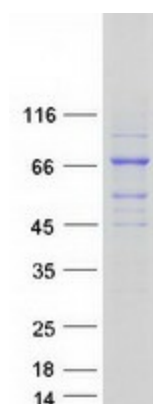
Tag:	C-Myc/DDK
Predicted MW:	75.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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_976313</a>
<b>Locus ID:</b>	51703
<b>UniProt ID:</b>	<a href="#">Q9ULC5</a>
<b>RefSeq Size:</b>	3233
<b>Cytogenetics:</b>	10q25.2
<b>RefSeq ORF:</b>	2220
<b>Synonyms:</b>	ACS2; ACS5; FACL5
<b>Summary:</b>	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 uterus and spleen, and in trace amounts in normal brain, but has markedly increased levels in malignant gliomas. This gene functions in mediating fatty acid-induced glioma cell growth. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Adipocytokine signaling pathway, Fatty acid metabolism, Metabolic pathways, PPAR signaling pathway

### Product images:



Coomassie blue staining of purified ACSL5 protein (Cat# [TP313380]). The protein was produced from HEK293T cells transfected with ACSL5 cDNA clone (Cat# [RC213380]) using MegaTran 2.0 (Cat# [TT210002]).