

Product datasheet for TP317537

ACSL3 (NM_203372) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human acyl-CoA synthetase long-chain family member 3 (ACSL3), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217537 representing NM_203372 Red=Cloning site Green=Tags(s)

MNNHVSSKPSTMKLNHTINPILLYFIHFLISLYLTILTYIPFYFFSESRQEKSNRIKAKPVNSKPDSAYRS
VNSLDGLASVLYPGCDTLDKVFYAKNFKNKRLGLTREVLNDEDEVQPNGKIFKKVILGQYNWLSYEDV
FVRAFNGNGLQMLGQPKPTNIAIFCETRAEWMIAAQACFMYNFQLVTLTYATLGGPAIVHALNETEVTNI
ITSKELLQTKLKDIVSLVPRLRHITVDGKPPTWSEFPKGIIVHTMAAVEALGAKASMENQPHSKPLPSD
IAVIMYTSGSTGLPKGVMISHSNIIAGITGMAERPELGEEDVYIGYPLAHVLELSAELVCLSHGCRIG
YSSPQTLADQSSKIKKGSKGDTSMLKPTLMAAVPEIMDRIYKNVMNKVSEMSSFQRNLFILAYNYKMEQI
SKGRNTPLCDSFVRKVRSLGGNIRLLCGGAPLSATTQRFMNICCCPVGQGYGLTESAGAGTISEVW
DYNTGRVGAFLVCCEIKLNWEEGGYFNTDKPHPRGEILIGGQSVTMGYKNEAKTKADFFEDENGQRWL
CTGDIGEFEPDGCLKIIDRKKDLVKLQAGEYVSLGKVEAALKNLPLVDNICAYANSYHSYVIGFVVPNQK
ELTELARKKGLKGTWEELCNSCEMENEVLKVLSEAAISASLEKFEIPVKIRLSPEPWTPETGLVTDAPFL
KRKELKTHYQADIERMYGRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

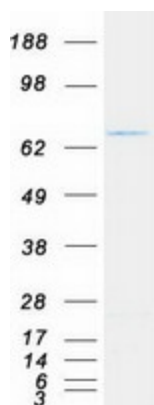
Tag:	C-Myc/DDK
Predicted MW:	80.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_976251
Locus ID:	2181
UniProt ID:	O95573 , A0A024R487
RefSeq Size:	4262
Cytogenetics:	2q36.1
RefSeq ORF:	2160
Synonyms:	ACS3; FACL3; LACS 3; LACS3; PRO2194
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Transmembrane
Protein Pathways:	Adipocytokine signaling pathway, Fatty acid metabolism, Metabolic pathways, PPAR signaling pathway

Product images:



Coomassie blue staining of purified ACSL3 protein (Cat# TP317537). The protein was produced from HEK293T cells transfected with ACSL3 cDNA clone (Cat# [RC217537]) using MegaTran 2.0 (Cat# [TT210002]).