

Product datasheet for PH321033

FATP2 (SLC27A2) (NM_003645) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SLC27A2 MS Standard C13 and N15-labeled recombinant protein (NP_003636)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221033
Predicted MW:	70.1 kDa
Protein Sequence:	>RC221033 representing NM_003645 Red=Cloning site Green=Tags(s)

MLSAIYTVLAGLLFLPLLVNLCCPYFFQDIGYFLKVAAVGRRVRSYGKRRPARTILRAFLEKARQTPHKP
FLLFRDETLTYAQVDRRSNQVARALHDHLGLRQGDCVALLMGNEPAYVWLWGLVKLGCAMACLNYNIRA
KSL LHCFQCCGAKVLLVSPQLAAVEEILPSLKKDDVSIYYVSRSTNTDGIDSFLDKVDEVSTEPIPESW
RSEVTFSTPALYIYTSGLTGLPKAAMITHQRIWYGTGLTFVSGLKADDVIYITLPHYSAALLIGIHGCI
VAGATLALRTKFSASQFWDCCRKYNVTVIQYIGELLRYLCNSPQKPNDRDHKVRLLALGNLGRGDVWRQFV
KRFGDICIEFYAATEGNIGFMNYARKVAVGRVNYLQKKIITYDLIKYDVEKDEPVRDENGVCVRVPGK
EVGLLVCKITQLTPFNGYAGAKAQTEKKLRDVFKKGDLYFNSGDLMLVDHENFIYFHDRVGDTRWKGK
NVATTEVADTVGLVDFVQEVNVYGVHVPDHEGRIGMASIKMKENHEFDGKFLQHIADYLPYARPRFLR
IQDTIEITGTFKHRKMTLVEEGFNPAVIKDALYFLDDTAKMYVPMTEIYNAISAKTLKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003636
RefSeq Size:	2343
RefSeq ORF:	1860



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Synonyms: ACSVL1; FACVL1; FATP2; hFACVL1; HsT17226; VLACS; VLCS

Locus ID: 11001

UniProt ID: [O14975](#)

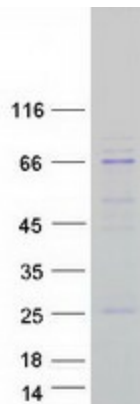
Cytogenetics: 15q21.2

Summary: The protein encoded by this gene is an isozyme of 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 activates long-chain, branched-chain and very-long-chain fatty acids containing 22 or more carbons to their CoA derivatives. It is expressed primarily in liver and kidney, and is present in both endoplasmic reticulum and peroxisomes, but not in mitochondria. Its decreased peroxisomal enzyme activity is in part responsible for the biochemical pathology in X-linked adrenoleukodystrophy. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2009]

Protein Families: Transmembrane

Protein Pathways: PPAR signaling pathway

Product images:



Coomassie blue staining of purified SLC27A2 protein (Cat# [TP321033]). The protein was produced from HEK293T cells transfected with SLC27A2 cDNA clone (Cat# [RC221033]) using MegaTran 2.0 (Cat# [TT210002]).