

Product datasheet for PH311883

ACSL6 (NM_001009185) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ACSL6 MS Standard C13 and N15-labeled recombinant protein (NP_001009185)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211883
Predicted MW:	80.4 kDa
Protein Sequence:	>RC211883 representing NM_001009185 Red=Cloning site Green=Tags(s)
	MLTFFLVSGGSLWLFVEFVLSLLEKMQTQEILRILRLELPELGLGQFFRSLSATTLVSMGALAAILAYWFT HRPKALQPPCNLLMQSEEVEDSGGARRSVIGSGPQLLTHYYDDARTMYQVFRRLSISGNGPCLGFRKPK QPYQWLSYQEVADRAEFLGSGLLQHNCACKTDQFIGVFAQNRPEWIIIVELACYTYSM VVPLDYDTLGPGA IRYIINTADISTVIVDKPQKAVLLLEHVERKETPGLKLIILMDPFEEALKERGQKCGVVIKSMQAVEDCG QENHQAPVPPQDDLSIVCFSTGTTGNPKGAMLTHGNVVADFSGLKVTKEVIFPRQDDVLISFLPLAHM FERVIQSVVYCHGGRVGFQGDIRLLSDDMKALCPTIFPVVPRLLNRMYDKIFSQANTPLKRWLEFAAK RKQAEVRSIGIIRNDISIWDELFFNKIQASLGGCVRMIVTGAAPASPTVLGFLRAALGCQVYEGYGQTECTA GCTFTTPGDWTSGHVGA PLPCNHIKLV DVEELNYWACKGEGEICVRGNVFKGYLKDPRTEALDSDGW LHTGDI GKWLPAGTLKIIDRKKHIFKLAQGEYVAPEKIENIYIRSQPVAQIYVHGD SLKAF LVGIVVPDP EVMPSWAQKRGIEGTADLCTNKDLKKAILED MVRLGKESGLHSFEQVKAITHIHS DMFSVQNGLLTPTLK AKRPELREYFKKQIEELYSISM
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_001009185



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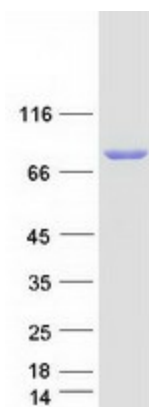
RefSeq Size:	3047
RefSeq ORF:	2166
Synonyms:	ACS2; FACL6; LACS2; LACS5; LACS 6
Locus ID:	23305
UniProt ID:	Q9UKU0
Cytogenetics:	5q31.1

Summary: 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]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: 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]).