

Product datasheet for PH313310

ACSM4 (NM_001080454) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ACSM4 MS Standard C13 and N15-labeled recombinant protein (NP_001073923)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213310
Predicted MW:	65.5 kDa
Protein Sequence:	>RC213310 representing NM_001080454 Red=Cloning site Green=Tags(s)

MKIFFRYQTRFRFIWLTKPPGRRLHKDHLWPTLTLADFEAINRCNRPLPKNFNAADVLDQWSQKEKTGE
RPANPALWVNGKGDEVKWSFRELGSLSRKAANVLTKPCGLQRGDRLAVILPRIPWWLVNACIRTI
FMPGTIQLTAKDILYRLRASKAKCIVASEEVAPAVESIVLECPDLKTKLLVSPQSWNGWLSFQELFQFAS
EEHSCVETGSQEPMTIYFTSGTTGFPKMAQHSQSSLGIGFTLCGRYWLDLKSSDIWNMSDTGWVKA
AIGSVFSSWLCGACVHVHRMAQFDTDFTLDTLTTYPIITLCSPTVYRMLVQKDLKRYKFKSLRHCLT
GGEPLNPEVLEQWRVQTGLELYEGYGQTEVGMICANQKQGEIKPGSMGKMLPYDVQIIDENGNVLP
PGKEGEIALRLKPTRPFCFFSKYVDNPKTAATIRGDFYVTGDRGVMDSGDFWVGRADDV
IISGGRIGPFEVESA LIEHPAVVESAVVSPDQIRGEVVKAFVLAAPFKSYNPEKLTLELQDHV
KKSTAPYKYPRKVEFVQELPKTITGKIKRNVLRDQEWGR

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- 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:	<u>NP_001073923</u>
RefSeq Size:	1743
RefSeq ORF:	1740



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Locus ID: 341392

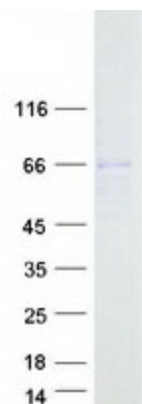
UniProt ID: [P0C7M7](#)

Cytogenetics: 12p13.31

Summary: Has medium-chain fatty acid:CoA ligase activity with broad substrate specificity (in vitro). Acts on acids from C(4) to C(11) and on the corresponding 3-hydroxy- and 2,3- or 3,4-unsaturated acids (in vitro) (By similarity).[UniProtKB/Swiss-Prot Function]

Protein Pathways: Butanoate metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified ACSM4 protein (Cat# [TP313310]). The protein was produced from HEK293T cells transfected with ACSM4 cDNA clone (Cat# [RC213310]) using MegaTran 2.0 (Cat# [TT210002]).