

Product datasheet for PH309798

ACSM5 (NM_017888) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ACSM5 MS Standard C13 and N15-labeled recombinant protein (NP_060358)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209798
Predicted MW:	64.7 kDa
Protein Sequence:	>RC209798 protein sequence Red=Cloning site Green=Tags(s)

MRPWLRLHLVLQALRNSRAFCGSHGKPAPLPVPQKIVATWEAISLGRQLVPEYFNFAHDVLDVWSRLEEAG
HRPPNPAFWVNGTGAEIKWSFEELGKQSRKAANVLGGACGLQPGDRMMLVLPRLPEWWLVSVACMRTGT
VMIPGVTQLTEKDLKYRLQASRAKSIITSDSLAPRVDAISAECPQLTKLLVSDSSRPGWLNFRELLREA
STEHNCMRTKSRDPLAIYFTSGTTGAPKMVEHSQSSYGLGFVASGRRWVALTESDIFWNTTDTGWYKAAW
TLFSAWPNGSCIFVHELPRVDAKVLNLTLSKFPITTLCCVPTIFRLLVQEDLTRYQFQSLRHCLTGGEAL
NPDVREKWKHQTVGVELYEGYQSETVVICANPKGMKIKSGSMGKASPPYDVQIVDDEGNVLPPEGEGNVA
VRIRPTRPFCFFNCYLDNPEKTAASEQDFYITGDRARMKDKGYFWFMRNDVINSYRIGPVEVESA
LAEHPAVLESAAVSSPDIRGEVVKAFIVLTPAYSSHDPALRELQEHVKRVTAPYKYPRKVAFVSELP
KTVSGKIQRSLRSQEWGK

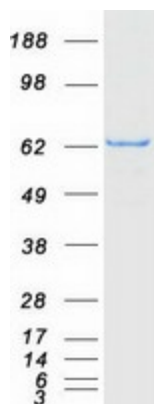
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- 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_060358
RefSeq Size:	2428
RefSeq ORF:	1737



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Locus ID:	54988
UniProt ID:	Q6NUN0
Cytogenetics:	16p12.3
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 ACSM5 protein (Cat# [TP309798]). The protein was produced from HEK293T cells transfected with ACSM5 cDNA clone (Cat# [RC209798]) using MegaTran 2.0 (Cat# [TT210002]).