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Product datasheet for PH301507

ACAD8 (NM_014384) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ACAD8 MS Standard C13 and N15-labeled recombinant protein (NP_055199)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201507
Predicted MW:	45.1 kDa
Protein Sequence:	>RC201507 protein sequence Red=Cloning site Green=Tags(s) MLWSGCRRFGARLGCLPGGLRVLVQTGHRSLTSCIDPSMGLNEEQKEFQKVAFDFAAREMAPNMAEWDQK ELFPVDVMRKAAQLGFGGVYIQTDVGGSGLSRLDTSVIFEALATGCTSTTAYISIHNMCAWMIDSFGNEE QRHKFCPPLCTMEKFASYCLTEPGSGSDAASLLTSAKKQGDHYILNGSKAFISGAGESDIYVVMCRTGGL GPKGISCIVVEKGTPGLSFGKKEKKVGWNSQPTRAVIFEDCAVPVANRIGSEGQGFLIAVRGLNGGRINI ASCSLGAAHASVILTRDHLNVRKQFGEPLASNQYLQFTLADMATRLVAARLMVRNAAVALQEERKDAVAL CSMAKLFATDECFAICNQALQMHGGYGYLKDYAVQQYVRDSRVHQILEGSNEVMRILISRSLLQE 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:	NP_055199
RefSeq Size:	2216
RefSeq ORF:	1245
Synonyms:	ACAD-8; ARC42; IBDH
Locus ID:	27034

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UniProt ID: Q9UKU7

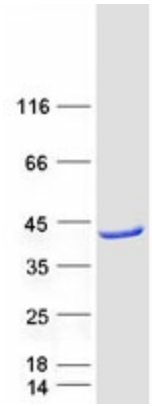
Cytogenetics: 11q25

Summary: This gene encodes a member of the acyl-CoA dehydrogenase family of enzymes that catalyze the dehydrogenation of acyl-CoA derivatives in the metabolism of fatty acids or branch chained amino acids. The encoded protein is a mitochondrial enzyme that functions in catabolism of the branched-chain amino acid valine. Defects in this gene are the cause of isobutyryl-CoA dehydrogenase deficiency.[provided by RefSeq, Nov 2009]

Protein Families: Transcription Factors

Protein Pathways: Metabolic pathways, Valine, leucine and isoleucine degradation

Product images:



Coomassie blue staining of purified ACAD8 protein (Cat# [TP301507]). The protein was produced from HEK293T cells transfected with ACAD8 cDNA clone (Cat# [RC201507]) using MegaTran 2.0 (Cat# [TT210002]).