

## Product datasheet for TP301507

### ACAD8 (NM\_014384) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human acyl-Coenzyme A dehydrogenase family, member 8 (ACAD8), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201507 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MLWSGCRRFGARLGCLPGGLRVLVQTGHRSLTSCIDPSMGLNEEQKEFQKVAFDFAAREMAPNMAEWD QK ELFPVDVMRKAQQLGFGGVYIQTDVGGSLRLDTSVIFEALATGCTSTTAYISIHNMCAWMIDSFGNEE QRHKFCPPLECTMEKFASYCLTEPGSGDAASLLTSAKKQGDHYILNGSKAFISGAGESDIYVVMCRTGGL GPKGISCIVVEKGTPLSFGKKEKKGWNSQPTRAVIFEDCAVPVANRIGSEGQFLIAVRGLNGGRINI ASCSLGAHASVILTRDHLNVRKQFGEPLASNQYLQFTLADMATRLVAARLMVRNAAVALQEERKDAVAL CSMAKLFATDECFAICNQALQMHHGGYGLKDYAVQQYVRDSRVHQILEGSNEVMRILISRLLQE</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	44.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_055199](#)

Locus ID: 27034

UniProt ID: [Q9UKU7](#)

RefSeq Size: 2216

Cytogenetics: 11q25

RefSeq ORF: 1245

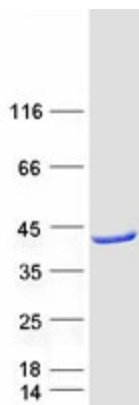
Synonyms: ACAD-8; ARC42; IBDH

**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]).