

Recombinant Human ACAD8 Protein, GST-Tagged

Cat. No. ACAD8-129H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACAD8 full-length ORF (AAH01964, 1 a.a. - 415 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	71.39 kDa
AA Sequence	MLWSGCRRFGARLGCLPGGLRVLVQTGHRSLTSCIDPSMGLNEEQKEFQKVAFDF AAREMAPNMAEWDQKELFPVDVMRKAAQLGFGGVYIQTDVGGSGLSRLDTSVIFE ALATGCTSTTAYISIHNMCAWMIDSFGNEEQRHKFCPLCTMEKFASYCLTEPGSGS DAASLLTSAKKQGDHYILNGSKAFISGAGESDIYVVMCRTGGLGPKGISCIVVEKGTP GLSFGKKEKKVGWNSQPTRAVIFEDCAVPVANRIGSEGQGFLIAVRGLNGGRINIAS CSLGAAHASVILTRDHLNVRKQFGEPLASNQYLQFTLADMATRLVAARLMVRNAAV ALQEERKDAVALCSMAKLFATDECFAICNQALQMHHGGYGYLKDYAVQQYVVRDSRV HQILEGSNEVMRILISRSLLQE

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ACAD8 acyl-CoA dehydrogenase family, member 8 [Homo sapiens]
Official Symbol	ACAD8
Synonyms	ACAD8; acyl-CoA dehydrogenase family, member 8; acyl Coenzyme A dehydrogenase family, member 8; isobutyryl-CoA dehydrogenase, mitochondrial; activator-recruited cofactor 42 kDa component; acyl-Coenzyme A dehydrogenase family, member 8; ARC42; ACAD-8;
Gene ID	27034
mRNA Refseq	NM_014384
Protein Refseq	NP_055199
MIM	604773
UniProt ID	Q9UKU7

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