ACAD8
Recombinant Human Acyl-Coenzyme A Dehydrogenase 8

Catalog No.	CRA208A	**Quantity:**	5 µg
	CRA208B		20 µg
	CRA208C		1.0 mg

Alternate Names: ACAD-8, Isobutyryl-CoA dehydrogenase, Activator-recruited cofactor 42 kDa component, ARC42

Description: Acyl-coenzyme A (CoA) dehydrogenases (ACADs) are a family of mitochondrial enzymes that catalyze the first dehydrogenation step in the bets-oxidation of fatty acyl-CoA derivatives. Several human ACADs exist and all ACADs catalyze the same initial dehydrogenation of the substrate at the beta-carbon atom and require electron transfer flavoprotein as an alectron acceptor.

ACAD8 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 416 amino acids (23-415) and having a molecular mass of 45.1kDa.

ACAD8 is fused to a 23 amino acid His-tag at N-terminus.

UniProt ID: Q9UKU7

Gene ID: 27034

Source: *E. coli*

Molecular Mass: 47.1 kDa

Formulation: Sterile Filtered clear solution containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 30% glycerol.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSLVQTGHR SLTSCIDPSM GLNEEQKEFQ KVAFDFAARE MAPNMAEWDQ KELFPVDVMR KAAQLGFGGV YIQTDVGGSG LSRLDTSVIF EALATGCTST TAYISIHNMC AWMIDSFGNE EQRHKFCPPL CTMEKFASYC LTEPGSGSDA ASLLTSAKKQ GDHYILNGSK AFISGAGESD IYVVMCRTGG PGPKGISCIV VEKGTPGLSF GKKEKKVGWN SQPTRAVIFE DCAVPVANRI GSEGQGFLIA VRGLNGGRIN IASCSLGAAH ASVILTRDHL NVRKQFGEPL ASNQYLQFTL ADMATRLVAA RLMVRNAAVA LQEERKDAVA LCSMAKLFAT DECFAICNQA LQMHGGYGYL KDYAVQQYVR DSRVHQILEG SNEVMRILIS RSLLQE.

Storage & Stability: Stable at 2-8°C for shipping purposes. Aliquot and store at -20°C to -80°C for long term storage. It is recommended to add a carrier protein (0.1% HSA or BSA). **Avoid repeated freeze-thaw cycles.**