

## Acyl-Coenzyme A Dehydrogenase 8 Human Recombinant

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| <b>Item Number</b>                       | rAP-0997  |
| <b>Synonyms</b>                          | Acyl-CoA dehydrogenase family member 8 mitochondrial, ACAD-8, Isobutyryl-CoA dehydrogenase, Activator-recruited cofactor 42 kDa component, ARC42, FLJ22590.   |
| <b>Description</b>                       | 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 & purifies by proprietary chromatographic techniques.  |
| <b>Uniprot Accesion Number</b>           | Q9UKU7  |
| <b>Amino Acid Sequence</b>               | MGSSHHHHHH SSGLVPRGSH MGSLVQVTGHR SLTSCIDPSM GLNEEQKEFQ KVAFDFAARE MAP-NMAEWWDQ KELFPVDVMR KAAQLGFGGV YIQTDVGGSG LSRLDTSVIF EALATGCTST TAYISIHNMC AWMIDSGFNGNE EQRHKFCPPPL CTMEKFASAYC LTEPGSSGSDA ASLLTSAKKQ GDHYILNGSK AFISGAG-ESD IYVVMCRTGG PGPKGISCIV VEKGTPGLSF GKKEKKVGWN SQPTRAVIFE DCAVPVANRI GSEGQQGLIA VRGLNGGRIN IASCSLGAAH ASVILTRDHL NVRKQFGEPL ASNQYQLQFTL AD- |
| <b>Source</b>                            | Escherichia Coli.   |
| <b>Physical Appearance and Stability</b> | Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.   |
| <b>Formulation and Purity</b>            | The ACAD8 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 30% glycerol. Greater than 95% as determined by SDS-PAGE.  |
| <b>Application</b>                       |   |
| <b>Solubility</b>                        |   |
| <b>Biological Activity</b>               |   |
| <b>Shipping Format and Condition</b>     | Lyophilized powder at room temperature.   |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**