

Isovaleryl Coenzyme A Dehydrogenase Human Recombinant

Item Number	rAP-1008
Synonyms	FLJ12715, isovaleryl-CoA dehydrogenase mitochondrial, FLJ34849, EC 1.3.99.10, IVD, ACAD2.
Description	IVD Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 415 amino acids (33-426 a.a.) and having a molecular mass of 45.3 kDa. The IVD is fused to a 20 amino acid his tag at N-terminus and purified by conventional chromatography.
Uniprot Accession Number	P26440
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MHSLLPVDDA INGLSEEQRQ LRQTMAKFLQ EHLAPKAQEI DRSNEFKNLR EFWKQLGNLG VLGITAPVQY GGSGLGYLEH VLMEEISRA SGAVGLSYGA HSNLCINQLV RNGNEAQKEK YLPKLISGEY IGALAMSEPN AGSDVVSMKL KAEKKGNYHI LNGNK- FWITN GPDADVLIVY AKTDLAAPVA SRGITAFIVE KGMPGFSTSK KLDKLGMRGS NTCELIFEDC KIPAANILGH ENKGVYVLM SGLDLERLVLA GGPLGLMQAV LDHTIPYLHV REAFGQKIGH FQLMQGKMAD MYTRLMACRQ YVYNVAKACD EGHCTAKDCA GVILYSAECA TQVALDGIQC FGG- NGYINDF PMGRFLRDAK LYEIGAGTSE VRRLVIGRAF NADFFH.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless 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.
Formulation and Purity	The IVD protein solution (1mg/ml) contains 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	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 ender users! This product is sold for **Research Use Only**