

## 32-2423: HADH Recombinant Protein

**Alternative Name :** EC 1.1.1.35,HAD,HADH1,HHF4,MSCHAD,SCHAD,Hydroxyacyl-coenzyme A dehydrogenase,HCDH,Short-chain 3-hydroxyacyl-CoA dehydrogenase,Medium and short-chain L-3-hydroxyacyl-coenzyme A dehydrogenase,HADH, HADHSC,MGC8392.

### Description

Source : Escherichia Coli. HADH Human Recombinant fused to 21 amino acid His Tag at N-terminal produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 323 amino acids (13-314 a.a.) and having a molecular mass of 35.1 kDa. The HADH is purified by proprietary chromatographic techniques. HADH is part of the 3-hydroxyacyl-CoA dehydrogenase enzyme family. HADH is involved in mitochondrial matrix to catalyze the oxidation of straight-chain 3-hydroxyacyl-CoAs as part of the beta-oxidation pathway. HADH enzymatic activity is at its peak with medium-chain-length fatty acids. Mutations in HADH cause familial hyperinsulinemic hypoglycemia. HADH participates in fatty acid oxidation, where some enzymes work in a step-wise fashion to break metabolize fats and convert them to energy.

### Product Info

**Amount :** 25 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** The HADH solution contains 20mM Tris-HCl pH-8, 0.1M NaCl and 20% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SGLVPRGSH MSSSSTASAS AKKIIVKHVT VIGGGLMGAG IAQVAAATGH  
TVVLVDQTED ILAKSKKGIE ESLRKVAKKK FAENPKAGDE FVEKTLSTIA TSTDAASVVH  
STDLVVEAIV ENLKVKNELF KRLDKFAAEH TIFASNTSSL QITSIANATT RQDRFAGLHF  
FNPVPMKLV EVIKTPMSTQ KTFESLVDFS KALGKHPVSC KDTPGFIVNR LLVPYLMEAI  
RLYERGDASK EDIDTAMKLG AGYPMGPFEL LDYVGLDTTK FIVDGWHEMD AENPLHQSP  
SLNKLVAENK FGKKTGEGFY KYK.

