

HADH, 13-314aa, Human, His tag, E.coli

Cat.NO.: TP02394

3th Edition

Synonyms:Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial, HAD, HADH1, HHF4, M/SCHAD, SCHAD

Description:HADH, which belongs to the family of oxidoreductases, is important for converting certain fats to energy. This protein is an enzyme that catalyzes the chemical reaction. ((S)-3-hydroxyacyl-CoA + NAD⁺ 3- oxoacyl-CoA + NADH + H⁺) It is also involved in a process called fatty acid oxidation, in which several enzymes work in a step-wise fashion to break down (metabolize) fats and convert them to energy.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl

Molecular Weight:35.1 kDa (323aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMSSSSTASASAKKIIVKHVTVIGGGLMGAGIAQVAAATGHTVVLVDQTEDILAKSK
KGIEESLRKVAKKKFAENPKAGDEFVEKTLSTIATSTDAASVVHSTDLVVEAIVENLKVKNELFKRLDKFAAEHTIFAS
NTSSLQITSIANATTRQDRFAGLHFFNPVPMKLVVVIKTPMTSQKTFESLVDFSKALGKHPVSCKDTPGFIVNRLLV
PYLMEAIRLYERGDASKEDIDTAMKLGAGYPMGPFELLDYVGLDTTKFIVDGWHEMDAENPLHQPSPLNKLVAEN
KFGKKTGEGFYKYK

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.