

HIBCH, 33-386 aa, Human, His tag, E.coli

Cat.NO.: TP02448

3th Edition

Synonyms:3-hydroxyisobutyryl-CoA hydrolase, mitochondrial, HIBYLCOAH.

Description:HIBCH is the enzyme responsible for hydrolysis of both HIBYL-CoA and beta-hydroxypropionyl-CoA. Mutations in this gene have been associated with 3-hydroxyisobutyryl-CoA hydrolase deficiency. Alternative splicing results in multiple transcript variants. Recombinant human HIBCH protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. 20mM Tris-HCl buffer (pH 8.0)containing 10% glycerol 0.2M NaCl, 1mM DTT

Molecular Weight:42.1kDa(379aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHMDAAEEVLEKKGCTGVITLNRPKFLNALTLMIRQIYPQLKKWEQDPETF
LIIIKGAGGKAFCAAGDIRVISEAEKAKQKIAPVFFREEYMLNNAVSGCQKPYVALIHGITMGGGVGLSVHGQFRVAT
EKCLFAMPETAIGLFPDVG GYFLPRLQGKLG YFLALTGFRLKGRDVYRAGIATHFVDSEKLAMLEEDLLALKSPSK
ENIASVLENYHTESKIDRDKSFILEEHMDKINSCFSANTVEEIIENLQQDGSSFALEQLKVINKMSPTSLKITLRQLMEG
SSKTLQEVLTMEYRLSQACMRGHDFHEGVRAVLIDKDQSPKWKPADLKEVTEEDLNNHFKSLGSSDLKF

Purity:> 95% by HPLC

Concentration:1.0 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.