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HIBCH Human

Catalog #:ENPS-601

For research use only.

Description:HIBCH Recombinant produced in E. coli is a single polypeptide chain containing 379 amino acids (33-386) and having a molecular mass of 42.1kDa.HIBCH is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms:3-hydroxyisobutyryl-coenzyme A hydrolase mitochondrial, HIBYL-CoA-H, HIB-CoA hydrolase, EC 3.1.2.4

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSHMDAAEE VLLEKKGCTG VITLNRPKFL NALTLNMIRQ IYPQLKKWEQ DPETFLIIIK GAGGKAFCAG GDIRVISEAE KAKQKIAPVF FREEYMLNNA VGSCQKPYVA LIHGITMGGG VGLSVHGQFR VATEKCLFAM PETAIGLFPD VGGGYFLPRL QGKLGYFLAL TGFRLKGRDV YRAGIATHFV DSEKLAMLEE DLLALKSPSK EN

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
The HIBCH solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM Nacl, 1mM DTT and 10% glycerol.

Stability:
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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
HIBCH enzyme is in charge of hydrolysis of both HIBYL-CoA and beta-hydroxypropionyl-CoA. Damages in the HIBCH gene linked to 3-hyroxyisobutyryl-CoA hydrolase deficiency. Multiple transcript variants exist as a result of alternative splicing.

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