
Product Data Sheet

Product Name: HIBCH Human
 Cat. No.: GP21790
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	3-hydroxyisobutyryl-coenzyme A hydrolase mitochondrial; HIBYL-CoA-H; HIB-CoA hydrolase; EC 3.1.2.4		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMDAAEE VLLEKKGCTG VITLNRPKFL NALTLNMIRQ IYPQLKKWEQ DPETFLIIK GAGGKAFCAG GDIRVISEAE KAKQKIAPVF FREEYMLNNA VGSCQKPYVA LIHGITMGGG VGLSVHGQFR VATEKCLFAM PETAIGLFPD VGGGYFLPRL QGKLG YFLAL TGFRLKGRDV YRAGIATHFV DSEKLAMLEE DLLALKSPSK ENIASVLENY HTESKIDRDK SFILEEHMDK INSCFSANTV EEIENLQOD GSSFALEQLK VINKMSPTSL KITLRQLMEG SSKTLQEVLT MEYRLSQACM RGHDFHEGVR AVLIDKDQSP KWKPADLKEV TEEDLNNHFK SLGSSDLKF.		
Formulation	The HIBCH solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 1mM DTT and 10% glycerol.		

Introduction

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

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.

Background

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

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA