

Product information

AUH, 68-339aa

Human, His-tagged, Recombinant, E.coli

Cat. No. IBATGP0838

Full name: Methylglutaconyl-CoA hydratase, mitochondrial

NCBI Accession No.: NP_001689

Description: AUH, also known as mitochondrial methylglutaconyl-CoA hydratase, is involved in the amino acid degradation pathway by catalyzing the conversion of 3-methylglutaconyl-CoA to 3-hydroxy-3-methylglutaryl-CoA and water. It has been found to have very low enoyl-CoA hydratase activity. Recombinant human AUH protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

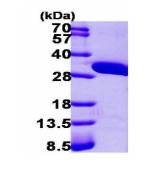
Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol

0.1M NaCl, 1mM DTT

Molecular Weight: 31.4 kDa (293aa), confirmed by MALDI-TOF

Purity: > 95% by SDS - PAGE

Concentration: 1.0 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MSSEMKTEDE LRVRHLEEEN RGIVVLGINR AYGKNSLSKN LIKMLSKAVD ALKSDKKVRT IIIRSEVPGI FCAGADLKER AKMSSSEVGP FVSKIRAVIN DIANLPVPTI AAIDGLALGG GLELALACDI RVAASSAKMG LVETKLAIIP GGGGTQRLPR AIGMSLAKEL IFSARVLDGK EAKAVGLISH VLEQNQEGDA AYRKALDLAR EFLPQGPVAM RVAKLAINQG MEVDLVTGLA IEEACYAQTI PTKDRLEGLL AFKEKRPPRY KGE

General references:

Kurimoto K, et al. (2009). Proteins 75(2):360-72 Mack M., et al. (2006). FEBS J. 273(9):2012-22

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.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.