

# 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.

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|---|---------------------------|
| <p><b>Form:</b> Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol<br/>0.1M NaCl, 1mM DTT</p> <p><b>Molecular Weight:</b> 31.4 kDa (293aa), confirmed by MALDI-TOF</p> <p><b>Purity:</b> &gt; 95% by SDS - PAGE</p> <p><b>Concentration:</b> 1.0 mg/ml (determined by Bradford assay)</p>   | <p>15% SDS-PAGE (3ug)</p> |
| <p><b>Sequences of amino acids:</b></p> <p>MGSSHHHHH SSGLVPRGSH MSSEMKTEDE LRVRHLEEN RGIVVLGINR AYGKNSLSKN LKMLSKAVD ALKSDKKVRT IIRSEVPGI<br/>FCAGADLKER AKMSSSEVGP FVSKIRAVIN DIANLPVPTI AAIDGLALGG GLELALACDI RVAASSAKMG LVETKLA IIP GGGGTQRLPR<br/>AIGMSLAKEL IFSARVLDGK EAKAVGLISH VLEQNQEGDA AYRKALDLAR EFLPQQPVAM RVAKLAINQG MEVDLVTGLA IEEACYAQT I<br/>PTKDRLEGLL AFKEKRPPRY KGE</p> |                           |

## 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.**