

Recombinant Human AUH, 68-339 aa, His-tagged

Cat. No. AUH-3384H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human AUH protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography. MW = 31.4 kDa (293aa).
Species	Human
Source	<i>E.coli</i>
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT.
Purity	> 95% by SDS - PAGE.
Concentration	1.0 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MSSEMKTEDE LRVRHLEEN RGIVVLGINR AYGKNSLSKN LIKMLSKAVD ALKSDKKVRT IIRSEVPGI FCAGADLKER AKMSSEVGP FVSKIRAVIN DIANLPVPTI AAIDGLALGG GLELALACDI RVAASSAKMG LVETKLAIP GGGGTQRLPR AIGMSLAKEL IFSARVLDGK EAKAVGLISH VLEQNQEGDA AYRKALDLAR EFLPQGPVAM RVAKLAINQG MEVDLVTGLA IEEACYAQT I PTKDRLEGLL AFKEKRPPRY KGE.

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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.
Pathways	Metabolic pathways; Valine, leucine and isoleucine degradation; Metabolism of amino acids and derivativesV
GENE INFORMATION	
Gene Name	AUH AU RNA binding protein/enoyl-CoA hydratase [Homo sapiens]
Synonyms	AU RNA binding protein/enoyl-CoA hydratase; AUH; methylglutaconyl-CoA hydratase, mitochondrial; 3-methylglutaconyl-CoA hydratase; AU-binding protein/Enoyl-CoA hydratase; AU-specific RNA-binding enoyl-CoA hydratase; AU RNA binding protein/enoyl-Coenzyme A hydratase; AU RNA-binding protein/enoyl-Coenzyme A hydratase; EC 4.2.1.18
Gene ID	549
mRNA Refseq	NM_001698
Protein Refseq	NP_001689
MIM	600529
UniProt ID	Q13825
Chromosome Location	9q22.31
Function	RNA binding; enoyl-CoA hydratase activity; lyase activity; mRNA 3'-UTR binding; methylglutaconyl-CoA hydratase activity

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