

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

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

### SPECIFICATION

<b>Product Overview</b>	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).
<b>Species</b>	Human
<b>Source</b>	<i>E.coli</i>
<b>Description</b>	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.
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT.
<b>Purity</b>	> 95% by SDS - PAGE.
<b>Concentration</b>	1.0 mg/ml (determined by Bradford assay).
<b>Sequences Of Amino Acids</b>	<p>MGSSHHHHHH SSGLVPRGSH MSSEMKTEDE LRVRHLEEEEN RGIVVLGINR            AYGKNSLSKN LIKMLSKAVD ALKSDKKVRT IIRSEVPGI FCAGADLKER            AKMSSEVGP FVSKIRAVIN DIANLPVPTI AAIDGLALGG GLELALACDI            RVAASSAKMG LVETKLAIP GGGGTQRLPR AIGMSLAKEL IFSARVLDGK            EAKAVGLISH VLEQNQEGDA AYRKALDLAR EFLPQGPVAM RVAKLAINQG            MEVDLVTGLA IEEACYAQTI PTKDRLEGLL AFKEKRPPRY KGE.</p>

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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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