# NKMAXBIO We support you, we believe in your research

# Recombinant human AUH protein

Catalog Number: ATGP0838

#### **PRODUCT INFORMATION**

#### **Expression system**

E.coli

#### **Domain**

68-339aa

#### UniProt No.

013825

#### **NCBI Accession No.**

NP 001689

#### **Alternative Names**

AU RNA binding methylglutaconyl-CoA hydratase, AU RNA binding protein/enoyl-Coenzyme A hydratase, AU-specific RNA-binding enoyl-CoA hydratase, Methylglutaconyl-CoA hydratase mitochondrial, 3-MG-CoA hydratase, Itaconyl-CoA hydratase

#### **PRODUCT SPECIFICATION**

#### **Molecular Weight**

31.4 kDa (293aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

### **Purity**

> 95% by SDS-PAGE

# Tag

His-Tag

### **Application**

SDS-PAGE

#### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

# **BACKGROUND**

#### **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 Histag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.



# NKMAXBio We support you, we believe in your research

# **Recombinant human AUH protein**

Catalog Number: ATGP0838

### **Amino acid Sequence**

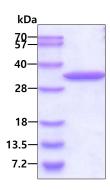
<MGSSHHHHHH SSGLVPRGSH> MSSEMKTEDE LRVRHLEEEN RGIVVLGINR AYGKNSLSKN LIKMLSKAVD ALKSDKKVRT IIIRSEVPGI FCAGADLKER AKMSSSEVGP FVSKIRAVIN DIANLPVPTI AAIDGLALGG GLELALACDI RVAASSAKMG LVETKLAIIP GGGGTQRLPR AIGMSLAKEL IFSARVLDGK EAKAVGLISH VLEQNQEGDA AYRKALDLAR EFLPQGPVAM RVAKLAINQG MEVDLVTGLA IEEACYAQTI PTKDRLEGLL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

### **DATA**

# **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

