

Recombinant human AUH protein

Catalog Number: ATGP0838

PRODUCT INFORMATION

Expression system

E.coli

Domain

68-339aa

UniProt No.

Q13825

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 His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MSSEMKTEDE LRVRHLEEN RGIVVLGINR AYGKNSLSKN LIKMLSKAVD
ALKSDKKVRT IIRSEVPGI FCAGADLKER AKMSSEVGP FVSKIRAVIN DIANLPVPTI AAIDGLALGG GLELALACDI
RVAASSAKMG LVETKLAIIIP GGGGTQRLPR AIGMSLAKEL IFSARVLDGK EAKAVGLISH VLEQNQEGDA AYRKALDLAR
EFLPQGPVAM RVAKLAINQG MEVDLVTGLA IEEACYAQT I PTKDRLEGLL AFKEKRPPRY KGE

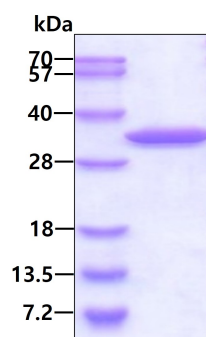
General References

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.