

Product datasheet

Recombinant Human AUH protein ab101821

1 Image

Description

Product name	Recombinant Human AUH protein	
Purity	> 95 % SDS-PAGE. ab101821 was purified using conventional chromatography.	
Expression system	Escherichia coli	
Accession	Q13825	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MGSSHHHHHHSSGLVPRGSHMSSEMKTEDELRVRHLEE ENRGIVVLGINR AYGKNSLSKNLIKMLSKAVDALKSDKKVRTIIIRSEVPGIFC AGADLKER AKMSSSEVGPVSKIRAVINDIANLPVPTIAAIDGLALGGGL ELALACDI RVAASSAKMGLVETKLAIIIPGGGGTQRLPRAIGMSLAKELI FSARVLDGK EAKAVGLISHVLEQNQEGDAA YRKALDLAREFLPQGPVA MRVAKLAINQG MEVDLVTGLAIEEACYAQTIPKDRLEGLLAFKEKRPPRYK GE	
Predicted molecular weight	31 kDa including tags	
Amino acids	68 to 339	
Tags	His tag N-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab101821** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF

Form Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

pH: 8.00

Constituents: 0.0154% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

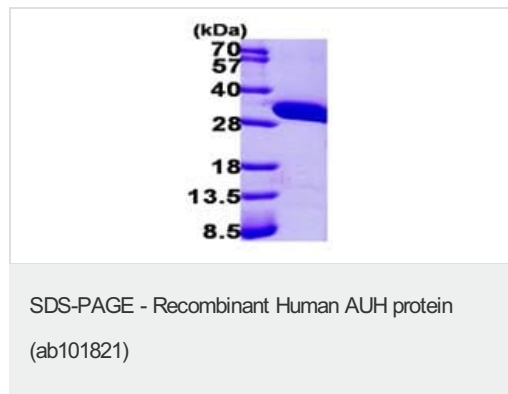
Relevance

AUH (3-methylglutaconyl-CoA hydratase) catalyzes the conversion of 3-methylglutaconyl-CoA to 3-hydroxy-3-methylglutaryl-CoA and has very low enoyl-CoA hydratase activity. Deletion or mutation of the AUH gene causes the metabolic disease 3-methylglutaconic aciduria type I (MGA1). MGA type I is characterized by an abnormal organic acid profile in which there is excessive urinary excretion of 3-methylglutaconic acid, 3-methylglutaric acid and 3-hydroxyisovaleric acid. AUH is also an RNA-binding protein that binds in vitro to clustered 5'-AUUUA-3' motifs.

Cellular localization

Mitochondrial

Images



15% SDS-PAGE analysis of 3µg ab101821.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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