

Recombinant Human AUH Protein, MYC/DDK-tagged

Cat. No. AUH-3040H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AUH protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes bifunctional mitochondrial protein that has both RNA-binding and hydratase activities. The encoded protein is a methylglutaconyl-CoA hydratase that catalyzes the hydration of 3-methylglutaconyl-CoA to 3-hydroxy-3-methyl-glutaryl-CoA, a critical step in the leucine degradation pathway. This protein also binds AU-rich elements (AREs) found in the 3' UTRs of rapidly decaying mRNAs including c-fos, c-myc and granulocyte/ macrophage colony stimulating factor. ARE elements are involved in directing RNA to rapid degradation and deadenylation. This protein is localizes to the mitochondrial matrix and the inner mitochondrial membrane and may be involved in mitochondrial protein synthesis. Mutations in this gene are the cause of 3-methylglutacnic aciduria, type I. Alternative splicing results in multiple transcript variants.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	29.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	AUH AU RNA binding protein/enoyl-CoA hydratase [Homo sapiens]
Official Symbol	AUH
Synonyms	3-methylglutaconyl-CoA hydratase; AU RNA-binding protein/enoyl-Coenzyme A hydratase; AU-binding protein/Enoyl-CoA hydratase; AU-specific RNA-binding enoyl-CoA hydratase; OTTHUMP00000021631; AU RNA binding protein/enoyl-Coenzyme A hydratase
Gene ID	549
mRNA Refseq	NM_001698
Protein Refseq	NP_001689
MIM	600529
UniProt ID	Q13825

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