

Product datasheet

Recombinant Human HGD protein (His tag) ab239441

1 Image

Description

Product name	Recombinant Human HGD protein (His tag)	
Purity	> 85 % SDS-PAGE.	
Expression system	Escherichia coli	
Accession	<u>Q93099</u>	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MAELKYISGFGNECSSDPRCPGSLPEGQNNPQVCPYNL YAEQLSGSAFT CPRSTNKRSWLYRILPSVSHKPFESIDEGQVTHNWDEVD PDPNQLRWKPF EIPKASQKKVDFVSGLHTLCGAGDIKSNGLAIHIFLCNTS MENRCFYNS DGDFLVLPQKGNLLIYTEFGKMLVQPNEICVIQRGMRFSIDV FEETRGYI LEVYGVHFELPDLGPIGANGLANPRDFLIPIAWYEDRQVPG GYTVINKYQ GKLF AAKQDVSPFNVAWHGNYTPYKYNLKNFMVINSVA FDHADPSIFTV LTAKSVRPGVAIADFVIFPPRWGVADKTFRPPYYHRNCMS EFMGLIRGHY EAKQGGFLPGGGSLHSTMTPHGPDADCFEKASKVKLAP ERIADGTMAFMF ESSLSLAVTKWGLKASRCLDENYHKCWEPLKSHFTPNSR NPAEPN	
Predicted molecular weight	54 kDa including tags	
Amino acids	1 to 445	
Tags	His tag N-Terminus	
Additional sequence information	N-terminal 6xHis-tagged.	

Specifications

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Our **Abpromise guarantee** covers the use of **ab239441** 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

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.2

Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)

General Info

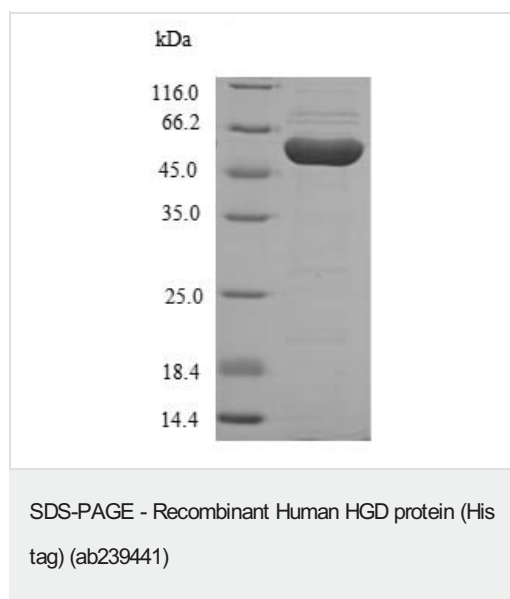
Tissue specificity Highest expression in the prostate, small intestine, colon, kidney and liver.

Pathway Amino-acid degradation; L-phenylalanine degradation; acetoacetate and fumarate from L-phenylalanine: step 4/6.

Involvement in disease Defects in HGD are the cause of alkaptonuria (AKU) [MIM:203500]. AKU is an autosomal recessive error of metabolism characterized by an increase in the level of homogentisic acid. The clinical manifestations of AKU are urine that turns dark on standing and alkalization, black ochronotic pigmentation of cartilage and collagenous tissues, and spine arthritis.

Sequence similarities Belongs to the homogentisate dioxygenase family.

Images



ab239441 analyzed by (Tris-Glycine gel) discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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

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