abcam

Product datasheet

Recombinant Human HGD protein ab158651

1 Image

Overview

Product name	Recombinant Human HGD protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	MAELKYISGFGNECSSEDPRCPGSLPEGQNNPQVCP YNLYAEQLSGSAFT CPRSTNKRSWLYRILPSVSHKPFESIDEGHVTHNWDE VDPDPNQLRWKPF EIPKASQKKVDFVSGLHTLCGAGDIKSNNGLAIHIFLCN TSMENRCFYNS DGDFLIVPQKGNLLIYTEFGKMLVQPNEICVIQRGMRFSI DVFEETRGYI LEVYGVHFELPDLGPIGANGLANPRDFLIPIAWYEDRQ VPGGYTVINKYQ GKLFAAKQDVSPFNVVAWHGNYTPYKYNLKNFMVINS VAFDHADPSIFTV LTAKSVRPGVAIADFVIFPPRWGVADKTFRPPYYHRNC MSEFMGLIRGHY EAKQGGFLPGGGSLHSTMTPHGPDADCFEKASKVKL APERIADGTMAFMF ESSLSLAVTKWGLKASRCLDENYHKCWEPLKSHFTP NSRNPAEPN
Amino acids	1 to 445
Tags	proprietary tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of **ab158651** in the following tested applications.

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

Applications	ELISA Western blot
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

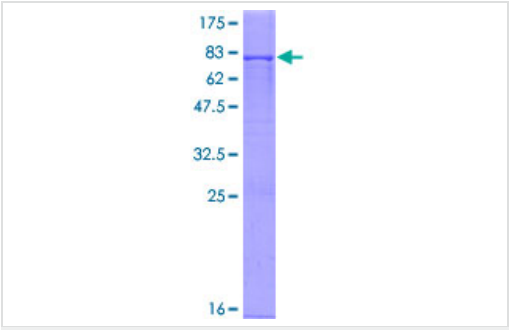
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

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 alkalinization, black ochronotic pigmentation of cartilage and collagenous tissues, and spine arthritis.
Sequence similarities	Belongs to the homogentisate dioxygenase family.

Images



SDS-PAGE - Recombinant Human HGD protein (ab158651)

ab158651 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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