

Recombinant Full Length Human HGD Protein, C-Flag-tagged

Cat. No. HGD-1475HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HGD Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes the enzyme homogentisate 1,2 dioxygenase. This enzyme is involved in the catabolism of the amino acids tyrosine and phenylalanine. Mutations in this gene are the cause of the autosomal recessive metabolism disorder alkaptonuria.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	49.8 kDa
AA Sequence	MAELKYISGFGNECSSDPRCPGSLPEGQNNPQVCPYNLYAEQLSGSAFTCPRSTN KRSWLYRILPSVSH KPFESIDEGHVTHNWDEVDPDPNQLRWKPFEPKASQKKVDF VSGLHTLCGAGDIKSNNGLAIHIFLCNT SMENRCFYNSDGDFLIVPQKGNLLIYTEFG KMLVQPNEICVIQRGMRFSIDVFEETRGRYILEVYGVHFEI PDLGPIGANGLANPRDFL IPIAWYEDRQVPGGYTVINKYQGKLFAAKQDVSPFNVAWHGNYTPYKYNLK NFMV INSVAFDHADPSIFTVLTAKSVRPGVAIADFVIFPPRWGVADKTFRPPYYHRNCMSEF MGLIRGHY EAKQGGFLPGGSLHSTMTPHGPDADCFEKASKVKLAPERIADGTMA FMFESSLSLAVTKWGLKASRCLD ENYHKCWEPLKSHFTPNSRNPAEPNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Metabolic pathways, Tyrosine metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	HGD homogentisate 1,2-dioxygenase [Homo sapiens (human)]
Official Symbol	HGD
Synonyms	AKU; HGO
Gene ID	3081
mRNA Refseq	NM_000187.4
Protein Refseq	NP_000178.2

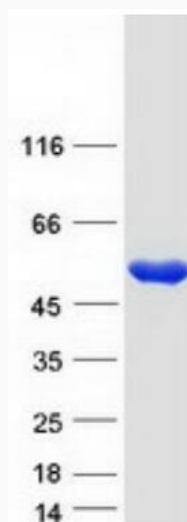
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MIM 607474

UniProt ID Q93099



Coomassie blue staining of purified HGD protein.

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