

Recombinant Human HGD Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HGD-6707H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HGD MS Standard C13 and N15-labeled recombinant protein (NP_000178) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	50 kDa
AA Sequence	MAELKYISGFGNECSSEDPKCPGSLPEGQNNPQVCPYNLYAEQLSGSAFTCPRSTN KRSWLYRILPSVSHKPFESIDEGHVTHNWDEVDPDPNQLRWKPFEPKASQKKVDF VSGLHTLCGAGDIKSNGLAIHIFLCNTSMENRCFYNSDGDFLIVPQKGNLLIYTEFG KMLVQPNEICVIQRMRFSDVFEETRGIYILEVYGVHFEPLDGPIGANGLANPRDFLI PIAWYEDRQVPGGYTVINKYQGKLFAAKQDVSPFNVAWHGNYTPYKYNLKNFMVI NSVAFDHADPSIFTVLTAKSVRPGVAIADFVIFPPRWGVADKTRPPYYHRNCMSEF MGLIRGHYEAKQGGFLPGGSLHSTMTPHGPDADCFEKASKVKLAPERIADGTMAF MFESSLSLAVTKWGLKASRCLDENYHKCWEPLKSHFTPNSRNPAEPNTRTRPLEQK LISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

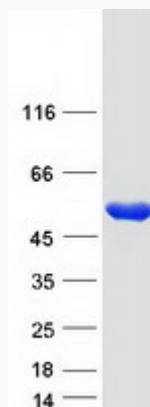
GENE INFORMATION

Gene Name	HGD homogentisate 1,2-dioxygenase [Homo sapiens (human)]
Official Symbol	HGD
Synonyms	HGD; homogentisate 1,2-dioxygenase; AKU, homogentisate 1,2 dioxygenase (homogentisate oxidase); HGO; homogentisate oxidase; homogentisicase; homogentisate oxygenase; homogentisic acid oxidase; AKU; FLJ94126;
Gene ID	3081
mRNA Refseq	NM_000187
Protein Refseq	NP_000178
MIM	607474
UniProt ID	Q93099

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SDS-PAGE

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