Recombinant Full Length Human HGD Protein, GST-tagged

Cat. No. HGD-3531HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HGD full-length ORF (AAH20792, 1 a.a. - 329 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	329 amino acids
Description	Homogentisate 1,2-dioxygenase (HGD) gene mutations are the molecular cause of alkaptonuria, a rare hereditary disorder of the phenylalanine catabolism. The highest expression of HGD is in the prostate, small intestine, colon, and liver. The HGD gene contains 14 exons. Conflicting reports have placed the gene at 3q2, 3q13.3-q21, 3q21-q24, 3q21-q23, or 3q25-q26. [provided by RefSeq
Molecular Mass	61.71 kDa
AA Sequence	MAELKYISGFGNECSSEDPRCPGSLPEGQNNPQVCPYNLYAEQLSGSAFTCPRSTN KRSWLYRILPSVSHKPFESIDEGHVTHNWDEVDPDPNQLRWKPFEIPKASQKKVDF VSGLHTLCGAGDIKSNNGLAIHIFLCNTSMENRCFYNSDGDFLIVPQKGNLLIYTEFG KMLVQPNEICVIQRGMRFSIDVFEETRGYILEVYGVHLELPDLGPIGANGLANPRDFLI PIAWYEDRQVPGGYTVINKYQGKLFAAKQDVSPFNVVAWHGNYTPYKYNLKNFMVI NSVAFDHADPSIFTVLTALRRPARSSWHLRGLPMAPWHLCLNHL
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	HGD homogentisate 1,2-dioxygenase [Homo sapiens]
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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