

Recombinant Human HGD protein, His-tagged

Cat. No. HGD-1174H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HGD aa. (Val239~Glu428 (Accession # Q93099) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Val239~Glu428
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	Freeze-dried powder
Molecular Mass	24kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 8.8.
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	HGD homogentisate 1,2-dioxygenase [Homo sapiens (human)]
Official Symbol	HGD
Synonyms	HGD; homogentisate 1,2-dioxygenase; AKU; HGO; homogentisate oxidase; homogentisate oxygenase; homogentisic acid oxidase; homogentisicase
Gene ID	3081
mRNA Refseq	NM_000187.3
Protein Refseq	NP_000178.2
UniProt ID	Q93099

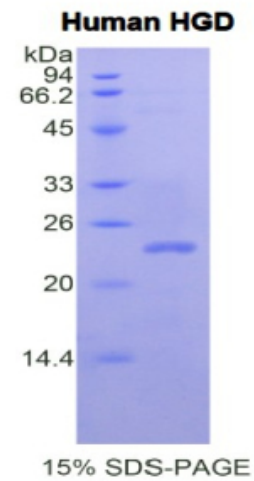
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SDS-PAGE



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