

Recombinant Human HGD Protein, His&GST-tagged

Cat. No. HGD-1622H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HGD Protein (Ser8-Glu428) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser8-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	Predicted Molecular Mass: 77.2 kDa Accurate Molecular Mass: 77 kDa
Purity	> 80%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is

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less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

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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