

Recombinant Human HGD protein, His-tagged

Cat. No. HGD-3569H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HGD protein(1-329 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-329 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MAELKYISGFGNECSSEDPRCPGSLPEGQNNPQVCPYNLYAEQLSGSAFTCPRSTN KRSWLYRILPSVSHKPFESIDEGHVTHNWDEVDPDPNQLRWKPFEPKASQKKVDF VSGLHTLCGAGDIKSNNGLAIHIFLCNTSMENRCFYNSDGDFLIVPQKGNLLIYTEFG KMLVQPNEICVIQRMRFSDVFEETRKYILEVYGVHVFELPDLPPIGANGLANPRDFLI PIAWYEDRQVPGGYTVINKYQGKLFAAKQDVSPFNVVAWHGNYTPYKYNLKNFMVI NSVAFDHADPSIFTVLTLRRPARSSWHLRGLPMPWHLCLNHL
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw

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cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

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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