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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

HGD (Human) Recombinant Protein (P01)

Catalog Number: H00003081-P01

Regulation Status: For research use only (RUO)

Product Description: Human HGD full-length ORF (AAH20792, 1 a.a. - 329 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MAELKYISGFGNECSSEDPKCPGSLPEGQNNPQVCP
YNLYAEQLSGSAFTCPKSTNKRSWLRYRILPSVSHKPF
SIDEGHVTHNWDEVDPDNQLRWKPFIPKASQKKVD
FVSGHLTLCGAGDIKSNGLAIHIFLCNTSMENRCFYN
SDGDFLIVPQKGNLLIYTEFGKMLVQPNEICVIQRGMR
FSIDVFEETRGYILEVYGVHLELPDLGPIGANGLANPRD
FLIPIAWYEDRQVPGGYTVINKYQGKLFQAKQDVSPFN
VVAWHGNYTPYKYNLKNFMVINSVAFDHADPSIFTVLT
ALRRPARSSWHLRGLPMAPWHLCLNHL

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 61.71

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3081

Gene Symbol: HGD

Gene Alias: AKU, HGO

Gene Summary: 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]