

Product datasheet for **TP31009L**

HGD (NM_000187) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human homogentisate 1,2-dioxygenase (homogentisate oxidase) (HGD), 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC210009 protein sequence Red =Cloning site Green =Tags(s) |
| | <p>MAELKYISGFGNECSSEDPKCPGSLPEGQNNPQVCPYNLYAEQLSGSAFTCPRSTNKRSWLYRILPSVSH KPFESIDEGHVTHNWDEVDPDPNQLRWKPFKASQKQKVDVSVGLHTLCGAGDIKSNNGLAIHIFLCNT SMENRCFYNSDGDFLVLPQKGNLLIYTEFGKMLVQPNEICVIQRGMRFSDVFEETRGYILEVYGVHFL PDLGPIGANLANPRDFLIPIAWYEDRQVPGGYTVINKYQGKLFQAKQDVSPFNVAWHGNYTPYKYNLK NFMVINSVAFDHADPSIFTVLTAKSVRPGVAIADFVIFPPRWGVADKTFRPPYYHRNCMSEFMGLIRGHY EAKQGGFLPGGSLHSTMPHGPDADCFEKASKVKLAPERIADGTMAFMFESSLSLAVTKWGLKASRCLD ENYHKCWEPLKSHFTPNRNPAPEN</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Tag: | C-Myc/DDK |
| Predicted MW: | 49.8 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |



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RefSeq: [NP_000178](#)

Locus ID: 3081

UniProt ID: [Q93099](#)

RefSeq Size: 2012

Cytogenetics: 3q13.33

RefSeq ORF: 1335

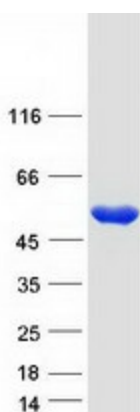
Synonyms: AKU; HGO

Summary: 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.[provided by RefSeq, May 2010]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Tyrosine metabolism

Product images:



Coomassie blue staining of purified HGD protein (Cat# [TP310009]). The protein was produced from HEK293T cells transfected with HGD cDNA clone (Cat# [RC210009]) using MegaTran 2.0 (Cat# [TT210002]).