

Datasheet for ABIN7562256  
**HGD Protein (AA 1-445) (His tag)**



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## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 1 mg                                       |
| Target:                       | HGD  |
| Protein Characteristics:      | AA 1-445                                   |
| Origin:                       | Mouse                                      |
| Source:                       | HEK-293 Cells                              |
| Protein Type:                 | Recombinant                                |
| Purification tag / Conjugate: | This HGD protein is labelled with His tag. |

## Product Details

|              |   |
|--------------|---|
| Purpose:     | Custom-made recombinant Hgd Protein expressed in mammalian cells.   |
| Sequence:    | <p>MAELKYISGF GNECASEDPR CPGSLPKGQN NPQVCPYNLY AEQLSGSAFT CPRNTNKRSW<br/> LYRILPSVSH KPFESIDQGH VTHNWDEVGP DPNQLRWKPF EIPKASEKKV DFVSGLYTLC<br/> GAGDIKSNNG LAVHIFLCNS SMENRCFYNS DGDFLIVPQK GKLLIYTEFG KMSLQPNEIC<br/> VIQRGMRFVS DVFEETRGYI LEVYGVHFEL PDLGPIGANG LANPRDFLIP VAWYEDRRVP<br/> GGYTVINKFQ GKLFACKQDV SPFNVVAWHG NYTPYKYNLE NFMVINAVAF DHADPSIFTV<br/> LTAKSLRPGV AIADVFIFPP RWGVADKTFR PPYYHRNCMS EFMGLIKGHY EAKQGGFLPG<br/> GGSLHSAMTP HGPDADCFEK ASKAKLEPER IADGTMAFMF ESSLSLAVTK WGLKTCSCLD<br/> ENYYKCWEPL RSHFTPNSRS PTEPK <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p> |
| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.   |

## Product Details

|                  |   |
|------------------|---|
| Characteristics: | <div>Key Benefits:</div> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p> |
|------------------|---|

|         |   |
|---------|---|
| Purity: | > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC) |
| Grade:  | custom-made   |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | HGD   |
| Alternative Name: | Hgd ( <a href="#">HGD Products</a> )  |
| Background:       | Homogentisate 1,2-dioxygenase (EC 1.13.11.5) (Homogentisate oxygenase) (Homogentisic acid oxidase) (Homogentisicase),FUNCTION: Catalyzes the conversion of homogentisate to maleylacetoacetate. {ECO:0000269 PubMed:7705358}. |
| Molecular Weight: | 50.0 kDa  |
| UniProt:          | <a href="#">O09173</a>  |

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| Restrictions:      | For Research Use only   |

Handling

|                  |  |
|------------------|--|
| Format:          | Liquid   |
| Buffer:          | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles.                               |
| Storage:         | -80 °C   |
| Storage Comment: | Store at -80°C.  |
| Expiry Date:     | 12 months  |