# Recombinant Human GFOD1, His-tagged

**Cat. No.** GFOD1-91H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human Glucose-Fructose Oxidoreductase Domain-Containing Protein 1/GFOD1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Lys22-Cys390) of Human GFOD1 fused with a polyhistidine tag at the C-terminus. |
| **Species** | Human |
| **Source** | HEK293 |
| **ProteinLength** | 22-390 a.a. |
| **Description** | Glucose-Fructose Oxidoreductase Domain-Containing Protein 1 (GFOD1) is a member of the Gfo/Idh/MocA family. GFOD1 is a secreted protein and localizes to the extracellular region. GFOD1 has three spliced transcript isoforms. GFOD1 molecular has the nucleotide binding activity and oxidoreductase activity. |
| **AA Sequence** | KDEGFAVKALWGRTQEEAEELAKEMSVPFYTSRIDEVLLHQDVDLVCINLPPPLTRQI AVKTLGI GKNVICDRTATPLDAFRMTSAAHYYPKLMSIMGNVLRFLPAFVRMKQLIEE GYVGEPLVCEVQVH GGSLLGKKYNWSCDDLMGGGGLHSVGTYIIDLLTFLTGQKA VKVHGLLKTFVKQTDHIKGIRQIT SDDFCTFQMVLEGGVCCTVTLNFNVPGEFKQDV TVVGSAGRLLAVGTDLYGQRNSAPEQELLVQD ATPVSNSLLPEKAFSDIPSPYLRG TIKMMQAVRQAFQDQDDRRTWDGRPLTMAATFDDCLYALCV VDTIKRSSQTGEW QNIAIMTEEPELSPAYLISEAMRRSRMSLYCVDHHHHHH |
| **Endotoxin** | Less than 0.1 |

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| | ng/μg (1 IEU/μg). |
| **Purity** | Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. |

## GENE INFORMATION

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| **Gene Name** | GFOD1 glucose-fructose oxidoreductase domain containing 1 [ Homo sapiens ] |
| **Official Symbol** | GFOD1 |
| **Synonyms** | GFOD1; glucose-fructose oxidoreductase domain containing 1; C6orf114, chromosome 6 open reading frame 114; glucose-fructose oxidoreductase domain-containing protein 1; ADG 90; FLJ20330; ADG-90; C6orf114; FLJ30569; MGC70653; RP11-501I19.1; |
| **Gene ID** | 54438 |
| **mRNA Refseq** | NM_001242628 |
| **Protein Refseq** | NP_001229557 |
| **UniProt ID** | Q9NXC2 |
| **Chromosome Location** | 6pter-p22.1 |
| **Function** | nucleotide binding; oxidoreductase activity; |

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