

Recombinant Human GFOD1, His-tagged

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

SPECIFICATION

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 GGSLLGKKYNWSCDDLMMGGGGLHSVGTYYIDLLTFLTGQKA VKVHGLLKTFVKQTDHIKIRQIT SDDFCTFQMVLEGGVCCTVTLNFNVPGEFKQDV TVVGSAGRLLAVGTDLYGQRNSAPEQELLVQD ATPVSNSLLPEKAFSDIPSPYLRG TIKMMQAVRQAFQDQDDRRTWDGRPLTMAATFDDCLYALCV VDTIKRSSQTGEW QNIAMTEEPELSPAYLISEAMRRSRMSLYCVDHHHHHH
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

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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