

Recombinant Human HPD, His-tagged

Cat. No. HPD-13920H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HPD protein(NP_001165464.1)(1-393 aa), fused to His-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-393 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ ,17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
AA Sequence	MTTYSKDGAKPERGRFLHFHSVTFWVGNAKQAASFYCSKMGFEPLAYRGLETGSR EVS SHVIKQGKIVFVLSSALNPWNKEMGDHLVKHGDGVKDIAFEVEDCDYIVQKARE RGAKIMREPWVEQDKFGKVKFAVLQTYGDTTHTLVEKMNYIGQFLPGYEAPAFMDP LLPKLPKCSLEMIDHIVGNQPDQEMVSASEWYLKNLQFHRFWSVDDTQVHTEYSSL RSIVVANYEESIKMPINEPAPGKKKSQIQEYVDYNGGAGVQHIALKTEDIITAIRHLRE RGLEFLSVPSTYYKQLREKLKTAKIKVKENIDALEELKILVDYDEKGYLLQIFTKPVQD RPTLFLEVIQRHNNHQGFGAGNFNSLFKAFAEEEEQNLRGNLTNMETNGVVPGM
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.
 Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details).
 If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).
 Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

GENE INFORMATION

Gene Name HPD 4-hydroxyphenylpyruvate dioxygenase [Homo sapiens]

Official Symbol HPD

Synonyms HPD; 4-hydroxyphenylpyruvate dioxygenase; PPD; 4 HPPD; 4HPPD; GLOD3; glyoxalase domain containing 3; 4-hydroxyphenylpyruvic acid oxidase; 4-HPPD; HPPDASE;

Gene ID 3242

mRNA Refseq NM_001171993.1

Protein Refseq NP_001165464.1

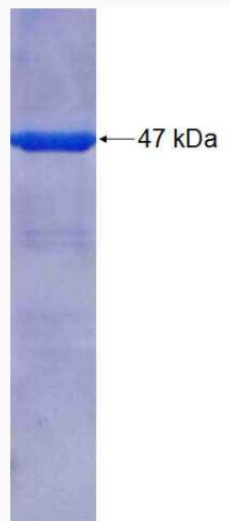
MIM 609695

UniProt ID P32754

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SDS-PAGE

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