

Recombinant Full Length Human HPD Protein, GST-tagged

Cat. No. HPD-3621HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HPD full-length ORF (AAH24287, 1 a.a. - 393 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	393 amino acids
Description	The protein encoded by this gene is an enzyme in the catabolic pathway of tyrosine. The encoded protein catalyzes the conversion of 4-hydroxyphenylpyruvate to homogentisate. Defects in this gene are a cause of tyrosinemia type 3 (TYRO3) and hawkinsinuria (HAWK). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2010]
Molecular Mass	68.97 kDa
AA Sequence	MTTYSKDGAKPERGRFLHFHSVTFWVGNAKQAASFYCSKMGFEPLAYRGLETGSR EVVSHVIKQGKIVFVLSSALNPWNKEMGDHLVKHGDGVKDIAFEVEDCDYIVQKARE RGAKIMREPWVEQDKFGKVKFAVLQTYGDTTHTLVEKMNYIGQFLPGYEAPAFMDP LLPKLPKCSLEMIDHIVGNQPDQEMVSASEWYLKNLQFHRFWSVDDTQVHTEYSSL RSIVVANYEESIKMPINEPAPGKKKSQIQEYVDYNGGAGVQHIALKTEDIITAIRHLRE RGLEFLSVPSTYYKQLREKLTAKIKVKENIDALEELKILVDYDEKGYLLQIFTKPVQD RPTLFLEVIQRHNNHQQFGAGNFNSLFKAEEEEQNLRGNLTNMETNGVVPGM

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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
Protein Refseq	NP_001165464
MIM	609695
UniProt ID	P32754

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