

Recombinant Human HPD Protein, GST-tagged

Cat. No. HPD-5006H **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	Wheat Germ
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	MTTYSDBGAKPERGRFLHFHSVTFWVGNAKQAASFYCSKMGFEPLAYRGLETGSR EVS SHVIKQGKIVFVLSSALNPWNKEMGDHLVKHGDGVKDIAFEVEDCDYIVQKARE RGAKIMREPWVEQDKFGKVKFAVLQTYGDTTHTLVEKMNYIGQFLPGYEAPAFMDP LLPKLPKCSLEMIDHIVGNQPDQEMVSASEWYLKNLQFHRFWSVDDTQVHTEYSSL RSIVVANYEESIKMPINEPAPGKKKSQIQEYVDYNGGAGVQHIALKTEDIITAIRHLRE RGLEFLSVPSTYYKQLREKLKTAKIKVKENIDALEELKILVDYDEKGYLLQIFTKPVQD RPTLFLEVIQRHNNHQGFGAGNFNSLFKAFAEEEEQNLRGNLTNMETNGVVPGM
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

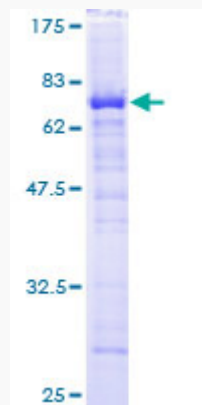
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	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

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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