

## Product datasheet for **TP720550**

### HPD (NM\_001171993) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human 4-hydroxyphenylpyruvate dioxygenase (HPD), transcript variant 2.
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Met1-Met393
Tag:	N-His
Predicted MW:	47.1 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 50mM NaCl, 1mM DTT, 0.1mM PMSF, pH 8.0.
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001165464</a>
Locus ID:	3242
UniProt ID:	<a href="#">P32754</a>
Cytogenetics:	12q24.31
Synonyms:	4-HPPD; 4HPPD; GLOD3; HPPDASE; PPD
Summary:	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]



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Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Phenylalanine metabolism, Tyrosine metabolism, Ubiquinone and other terpenoid-quinone biosynthesis

**Product images:**

