

Recombinant Human HPD Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HPD-4257H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HPD MS Standard C13 and N15-labeled recombinant protein (NP_002141) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	44.9 kDa
AA Sequence	MTTYSKDGAKPERGRFLHFHSVTFWVGNAKQAASFYCSKMGFEPLAYRGLETGSR EVVSHVIKQGKIVFVLSSALNPWNKEMGDHLVKHGDGVKDIAFEVEDCDYIVQKARE RGAKIMREPWVEQDKFGKVKFAVLQTYGDTTHTLVEKMNYIGQFLPGYEAPAFMDP LLPKLPKCSLEMIDHIVGNQPDQEMVSASEWYLKNLQFHRFWSVDDTQVHTEYSSL RSIVVANYEESIKMPINEPAPGKKKSQIQEYVDYNGGAGVQHIALKTEDIITAIRHLRE RGLEFLSVPSTYYKQLREKLKTAKIKVKENIDALEELKILVDYDEKGYLLQIFTKPVQD RPTLFLEVIQRHNNHQGFGAGNFNSLFKAFAEEEEQNLRGNLTNMETNGVVPGMTRTRP LEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

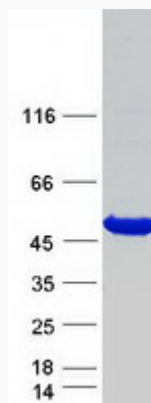
GENE INFORMATION

Gene Name	HPD 4-hydroxyphenylpyruvate dioxygenase [Homo sapiens (human)]
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_002150
Protein Refseq	NP_002141
MIM	609695
UniProt ID	P32754

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SDS-PAGE

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