

Product datasheet for PH306860

HPD (NM_002150) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HPD MS Standard C13 and N15-labeled recombinant protein (NP_002141)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206860
Predicted MW:	44.9 kDa
Protein Sequence:	>RC206860 protein sequence Red=Cloning site Green=Tags(s)
	MTTYSDKGAKPERGRFLHFHSVTFWVGNAKQAASFYCSKMGFEPLAYRGLTGSREVVSHVIKQGKIVFV LSSALNPWNKEMGDHLVKHGDGVKDIAFEVEDCDYIVQKARERGAKIMREPWEQDKFGVKVFAVLQTYG DTTHTLVEKMNYIGQFLPGYEAPAFMDPLLKLPKCSLEMIDHIVGNQPDQEMVSASEWLKLNLFHFRFW SVDDTQVHTEYSSLRSIVVANYEESIKMPINEPAPGKKKSQIQEYVDYNGGAGVQHIALKTEDIITAIRH LRERGLEFLSVPSTYYKQLREKLKTAKIKVKENIDALEELKILVDYDEKGYLLQIFTKPVQDRPTLFLEV IQRHNNHQFGAGNFNSLFKAFEEEEQNLRGNLNMETNGVVPGM
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_002141</u>
RefSeq Size:	1440
RefSeq ORF:	1179
Synonyms:	4-HPPD; 4HPPD; GLOD3; HPPDASE; PPD
Locus ID:	3242



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UniProt ID: [P32754](#)

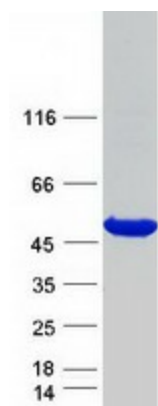
Cytogenetics: 12q24.31

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]

Protein Families: Druggable Genome

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

Product images:



Coomassie blue staining of purified HPD protein (Cat# [TP306860]). The protein was produced from HEK293T cells transfected with HPD cDNA clone (Cat# [RC206860]) using MegaTran 2.0 (Cat# [TT210002]).