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Product datasheet for RC229928L3V

HPD (NM_001171993) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	HPD (NM_001171993) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HPD
Synonyms:	4-HPPD; 4HPPD; GLOD3; HPPDASE; PPD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001171993
ORF Size:	1062 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC229928).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001171993.1, NP_001165464.1
RefSeq ORF:	1065 bp
Locus ID:	3242
UniProt ID:	P32754
Cytogenetics:	12q24.31
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Phenylalanine metabolism, Tyrosine metabolism, Ubiquinone and other terpenoid-quinone biosynthesis

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MW:	40.9 kDa
Gene 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]