

Product datasheet for PH303550

HPDL (NM_032756) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HPDL MS Standard C13 and N15-labeled recombinant protein (NP_116145)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203550
Predicted MW:	39.4 kDa
Protein Sequence:	>RC203550 protein sequence Red=Cloning site Green=Tags(s)

MAAPALRLCHIAFHVPAGQPLARNLQRLFQPLASREVDGWRQLALRSGDAVFLVNEGAGSGEPLYGLD
PRHAVPSATNLCFDVADAGAATRELAALGCSVPVPPVVRDAQGAATYAVVSSPAGILSLTLERAGYRG
PFLPGFRPVSSAPGPGWVSRVDHLTLACTPGSSPTLLRWFHDCLGFCHLPLSPGEDPELGLEMTAGFGLG
GLRLTALQAQPGSIVPTLVLAESLPGATTRQDQVEQFLARHKGPGLQHVGLYTPNIVEATEGVATAGGQF
LAPPGAYYQQPGKERQIRAAGHEPHLLARQGILLDGDGKGFLLQVFTKSLFTEDTFFLELIQRQGATGFG
QGNIRALWQSVQEQSARSQEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_116145</u>
RefSeq Size:	1803
RefSeq ORF:	1113
Synonyms:	4-HPPD-L; GLOXD1
Locus ID:	84842



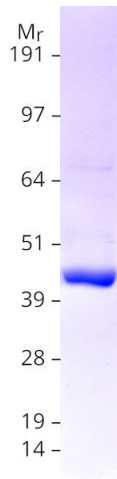
[View online »](#)

UniProt ID: [Q96IR7](#)

Cytogenetics: 1p34.1

Summary: The protein encoded by this intronless gene localizes to mitochondria, where it may function as 4-hydroxyphenylpyruvate dioxygenase. Clinical studies have identified several bi-allelic variants in this gene that lower the level of the encoded protein and lead to a clinically variable form of pediatric-onset spastic movement disorder. [provided by RefSeq, Aug 2020]

Product images:



Coomassie blue staining of purified HPDL protein (Cat# [TP303550]). The protein was produced from HEK293T cells transfected with HPDL cDNA clone (Cat# [RC203550]) using MegaTran 2.0 (Cat# [TT210002]).