

Recombinant Full Length Human HPDL Protein, C-Flag-tagged

Cat. No. HPDL-854HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HPDL Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	39.2 kDa
AA Sequence	MAAPALRLCHIAFHVPAGQPLARNLQRLFGFQPLASREVDGWRQLALRSGDAVFLV NEGAGSGEPLYGLD PRHAVPSATNLCFDVADAGAATRELAALGCSVPVPPVRVRD AQGAATYAVVSSPAGILSLTLERAGYRG PFLPGFRPVSSAPGPGWVSRVDHLTLA CTPGSSPTLLRWFDCLGFCHLPLSPGEDPELGLEMTAGFGLG GLRLTALQAQPG SIVPTLVLAESLPGATTRQDQVEQFLARHKGPGLQHVGlyTPNIVEATEGVATAGGQ F LAPPGAYYQQPGKERQIRAAGHEPHLLARQGILLDGDGKGKFLQVFTKSLFTEDTF FLELIQRQGATGFG QGNIRALWQSVQEQSARSQEATRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	HPDL 4-hydroxyphenylpyruvate dioxygenase like [Homo sapiens (human)]
Official Symbol	HPDL
Synonyms	SPG83; GLOXD1; NEDSWMA; 4-HPPD-L
Gene ID	84842
mRNA Refseq	NM_032756.4
Protein Refseq	NP_116145.1
MIM	618994
UniProt ID	Q96IR7

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Coomassie blue staining of purified HPDL protein.

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