

## Product datasheet for **SC123058**

### HPDL (NM\_032756) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HPDL (NM_032756) Human Untagged Clone
Tag:	Tag Free
Symbol:	HPDL
Synonyms:	4-HPPD-L; GLOXD1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_032756 edited  
 GCTCGGCTCACTGAGACCCGGTGGTCCAGACGCTGCTCCTGGCTGGGGTGGCGCTGCAGG  
 GAGAACC GCGAGCTCTCAGGGGTCGGCGGGTACTTCTTTCCGGAAGAAAGCGAGGAACG  
 CGCTCTGCGGGGTGAGCCGGACTCCCAACTCCGGACGATCAGCCCAGGACTGAGAGCCC  
 CGAAGTCCCAACCAAGTAAGCGGCCCCAGAAGGACAAGTCTAGGTCGCCGTCCAGAG  
 CGCCATGGCCGCGCCCGCCCTTCGTTTGTGCCACATCGCCTTCCACGTGCCCGCCGGGCA  
 GCCCTAGCCCGGAACCTGCAGCGCCTCTTCGGCTTCCAGCCCCGGCTTCGCGGGAGGT  
 GGACGGCTGGCGGACAGTAGCCCTGCGCAGCGGGACGCGGTCTTTTTGGTGAACGAGGG  
 CGCAGGGTCTGGAGAGCCGCTGTACGGCCTGGATCCGCGTCACGCCGTGCCAGCGCCAC  
 AAACCTGTGCTTCGACGTGGCGGACGCCGGCGCTGCAACCCGGGAGCTGGCAGCGCTGGG  
 CTGACGCTGCCTGTCCCTCCCGTTCGCGTGGCGGACGCGCAGGGTGCCGCCACTTACGC  
 CGTGGTCACTCGCTGCCGGCATCCTCAGCCTGACCTTGCTGGAGCGCGCTGGTACCG  
 CGGACCTTCTACCCGGCTTCAGGCCGTGTCTCTGCGCTGGCCCCGGGTGGGTGAG  
 CCGCGTGGACCACCTGACCTTGGCCTGCACCCCGGCAGCTCCCCACACTTTTGGCTG  
 GTTCCACGACTGCCTGGGCTTTTGGCACTTGGCGTGGAGCCAGGTGAGGATCCCGAGCT  
 GGGCCTCGAAATGACAGCAGGGTTTGGGCTTGGGGGACTGAGGCTTACAGCCCTGCAGGC  
 CCAGCCGGGCAGCATTGTCCCACTCTTGTCTGGCTGAGTCCCTTCCGGGGGCGACGAC  
 ACGACAGGACAGGTGGAGCAGTTCCTGGCCCGGCACAAGGGGCCAGGCCTGCAGCACGT  
 GGGGCTGTATACGCCTAACATTGTGGAGGCCACTGAGGGGGTGGCAACTGCTGGAGGCCA  
 GTTCTGGCTCCCCCTGGGGCATACTACCAGCAGCCAGGAAAGGAGAGGCAGATCCGAGC  
 TGCAGGGCAGGAGCCTCATCTGCTTGTGACAGGGGATCCTGCTAGATGGTGATAAAGG  
 CAAGTTTCTGCTTCAGGTCTTACCAAGTCCCTTTTACTGAGGACACTTTCTTCTGGA  
 GCTGATTACAGAGCAGGGGGCCACTGGCTTTGGTACGGGCAACATCAGAGCTCTGTGGCA  
 GTCCGTACAGGAGCAATCTGCCAGGAGCCAGGAAGCCTAAGGATGCCAGGGCTGGGTGC  
 AGCCAGCTGTCTGCAGCTCTGGGGAGACCAGCACAGAAGTGGGAAATCTGCAGGAGG  
 CCCAACTAGTGAAGGCTTTGCCTCCGGGGGCGAGGTGTGACTTCCATTTTCATCAGTGCC  
 TGCCAGAAGCTGTGTCTCTCATTGGGCTCCAAAGAGGTGGGATTTTTTAAACTAAAAACA  
 TTTCTTATACAGTCTATAATAAATATGAAGATACAAAGAACAATAAAAGAATTACAC  
 ACTAGGAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_032756 unedited  
 AAAACCTTCAGGATTTGTATACGACTTATATAGGCGGCACGCGAATTCGCACGAGGGCT  
 CGGCTCACTGAGACCCGGTGGTCCAGACGCTGCTCCTGGCTGGGGTGGCGCTGCAGGGAG  
 AACCGCGAGCTCTCAGGGGTCGGCGGGTACTTCTTTCCGGAAGAAAGCGAGGAACGCGC  
 TCTGCGGGGTGAGCCGGACTCCCAACTCCGGACGATCAGCCCAGGACTGAGAGCCCCGA  
 AGTCCCAACCAAGTAAGCGGCCCCAGAAGGACAAGTCTAGGTCGCCGTCCAGAGCCG  
 CATGGCCGCGCCCGCCCTTCGTTTGTGCCACATCGCCTTCCACGTGCCCGCCGGGAGCC  
 CCTAGCCCGGAACCTGCAGCGCCTCTTCGGCTTCCAGCCCTGGCTTCGCGGGAGGTGGA  
 CGGCTGGCGGACGCTAGCCCTGCGCAGCGGCGACGCGGTCTTTTTGGTGAACGAGGGCGC  
 AGGGTCTGGAGAGCCGCTGTACGGCCTGGATCCGCGTCACGCCGTGCCAGCGCCACAAA  
 CCTGTGCTTCGACGTGGCGGACGCCGGCTGCAACCCGGGAGCTGGCAGCGCTGGGCTG  
 CAGCGTGCCTGTCCCTCCCGTTCGCGTGGCGGACGCGCATGGTCCGCCACTTACGCCGT  
 GGTGAGCTCGCTGCCGGCATCCTCAGCCTGACCTTGCTGGAGCGCGCTGGCTACCGCGG  
 ACCCTTCTACCCGGCTTCAGGCCGTGTCTCTGCGCCTGGCCCCGGGTGGGTGAGCCG  
 CGTGGACCACCTGACCTTGGCCTGCACCCCGGCAGCTCCCCACACTTTTGGCTGGTTC  
 CACGACTGCCTGGGCTTTTGCC

**Restriction Sites:** Please inquire

**ACCN:** NM\_032756

**Insert Size:** 1646 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_032756.2</a> , <a href="#">NP_116145.1</a>
<b>RefSeq Size:</b>	1803 bp
<b>RefSeq ORF:</b>	1116 bp
<b>Locus ID:</b>	84842
<b>UniProt ID:</b>	<a href="#">Q96IR7</a>
<b>Cytogenetics:</b>	1p34.1
<b>Gene Summary:</b>	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]