

Product datasheet for **RG238745**

PNLDC1 (NM_001271862) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PNLDC1 (NM_001271862) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PNLDC1
Synonyms:	HsPNLDC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG238745 representing NM_001271862.
 Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**
 ATGGACGTGGGCGCCGACGAGTTCGAGGAGAGCCTCCCTCTGCTGCAGGAGCTCGTCCAGGAGGCCGAC
 TTCGTGGGTCTGGACATAGAGTTCACGGGCCTTCGTTCTAACCTGTCTGGGCCCCAGCAGATCAGTCTT
 TTTGATTTGCCATCGGAGTGGTATCTAAAGACCGTCAGAGTGTTTCAGCAATTTACAGTCTGTAGATT
 GGATTGCTGTGTTTTCCGCTATTGAAGGAGAGGCAAACAAGTATATAGCCCATTTCTGTAACCTCTAT
 CTCTCCCTACAACGTTTGGGATTTTGGACTCAGAATTCTCCTCCAGGCTTCCAGTGTTCAGTTTTTG
 AATCAGTATGGCTTCAACTATAACAAGTTTCTCAAAAACGGAATCCCATATATGAATGAAGAACAGGAG
 AAGAAAATTAGACACGATATCCTGACTGGGAACGGAGAGTTCGAGCTCTCCGGATAAAGACCAAATC
 AAGGTGGTATTGACGAAGTACGCGGTGGCTGGAGCTGGCCAAGGAAGGCGACTGGATGACTCTTCT
 GGGATCACTGGCTCCAGGCCTTTGAGGTCCAAGTGGTGTGAGGCAGGCCCTCCCAACATCTGGACG
 GTGCTGAAAGATGAGGGGTGGTGTGAGAAAAGTGAAGTAAACAACATCGTTGGTATCTTCAGAACC
 TCTTGTGACCGAGAGAGCTGTTGGAAGGAAAATATTCTTCTCTCAGCAAGGGTTTTTCTGTCTTTTTC
 CAAATGCTGGTGAAGGCCAGAAGCCCTTGTGGGACATAATATGATGATGGACCTGCTGCACCTCCAT
 GAGAAGTCTTCAGACCCCTCCAGAAAGCTACGATCAATTTAAGCAGAAATCCACAGCCTATTTCT
 GTTCTCATTGATACCAAGAGTGAACAAAGGATATCTGGAAGGAGATGAATTTCCCGAGGGTGTGCAAT
 CTTTCGGAAGTCTATGAGTCTGAACAGTGAATCCCACCAAGAATTCTGGACCAGAGATTGTT
 CACGCGAGCAGGTGTGAGAAATATGTTGAGACAAAGTCCCCACGAAGCCGCGTATGATGCCTTCTC
 TGTGGTCACTTTCTTAAAGTGGCACACTTGTCTACAGAAGATATACCACATCGACCCCGTCCC
 GAGTCACTCTTTCTCAGTACCTTGACGTGCTGGCTCCTTACGTGAACCAAGTGAACCTCATCCGAGCG
 GGGTCCCAAAGATCAATTTTTCTGGTCCAGATTATCCAGTATCCGACCTCCCATCCTCATCTCAGC
 GTCAAAAGGTGGCTGGGTGAGCAGCAAGTCTACCATAAGTTTCAGAATCTCTGCAAGTTTGAT
 GTCAGGCGACTCACAAGAAGCCAGTTCTTACTCCTGACCAATAAGTTAAGGATGCGCGGAACATCTG
 AAGGAGTACCGGGACCACCCGACCTGTGCATCTCCCTGTACCGCTACTGGAGGCACTCCCAACGTC
 AACTGCCTGCTCAAGTCTGTGGCATAGTACTGCCTGGGCCCTTCTCGCGTTCATCCTTGAAGATCT
 GGTACC
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTAAAC

Protein Sequence:

>Peptide sequence encoded by RG238745
 Blue=ORF Red=Cloning site Green=Tag(s)

MDVGADEFEEESLPLLQELVQEADFVGLDIEFTGLRSNLSPQQIISLFDLPSEWYKTRQSVQQFTVCQI
 GLSVFSAIEGEANKYIAHSCNFYLFPTTFGILDSEFSFQASSVQFLNQYGFNYNFKLKNIGIPYMNEEQE
 KKIRHDILTGNWRVRSSPDKDQIKVVIDEVTRWLELAKEGDWMTLPGITGFQAFEVQLVLRQALPNIWT
 VLKDEGVVKKVSKQHRWYLQNTSCDRESCWKENILLSARGFSVFFQMLVKAQKPLVGHNMMDLLHLH
 EKFFRPLPESYDQFKQNIHSLFPVLIDTKSVTKDIWKEMNFRVSNLSEVYEVLNSDLNPTKNSGPEIV
 HASRCEKYVETKCPHEAAYDAFLCGSVLLKVAHLLQKIYHIDPVPESSFPQYLDVLPYVNVNLIRA
 GVPKINFGPDYPSIRPPILILSVKRWPGVSEQQVYHKFQNLCKFDVRRRLTRSQFLLTNKFKDARNIL
 KEYRDHPTLCISLYRYWRHSPNVNCLLQVCGIVTAWALLAFILGRSGT
TRTRPLEMESDESGLPAMEIECRITGLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFLSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

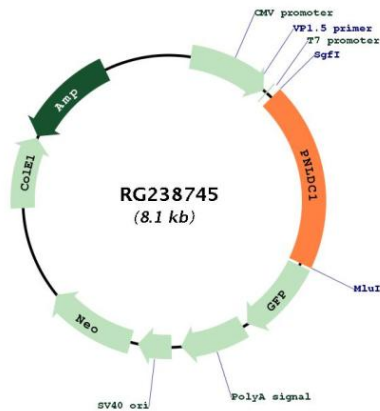
Restriction Sites:

SgfI-MluI

Gene Summary:

3'-exoribonuclease that has a preference for poly(A) tails of mRNAs, thereby efficiently degrading poly(A) tails (PubMed:27515512). Exonucleolytic degradation of the poly(A) tail is often the first step in the decay of eukaryotic mRNAs and is also used to silence certain maternal mRNAs translationally during oocyte maturation and early embryonic development (PubMed:27515512). May act as a regulator of multipotency in embryonic stem cells (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG238745