

Product datasheet for **RG204064**

HNRPDL (HNRNPDL) (NM_031372) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNRPDL (HNRNPDL) (NM_031372) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HNRPDL
Synonyms:	HNRNP; HNRPDL; JKTBP; JKTBP2; IaAUF1; LGMD1G; LGMDD3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204064 representing NM_031372 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGTCCTCCGCCCAGGCTTTCCCATGTGCCGCCCATTTGTTCCCTCCGCTCCCGCTACTTTAGCCT
CCCGCAGCCTCTCCATTGGCGGCCGCGGCCGCGGCAGCTAGCCCCGCTCCTCCCTCGCTCGCTCC
CAGCTCCGCCCGCAGGGGGCGCGCCGGGCCAGGCCACGTACCGCCAGCAGCCCTCCCGATTGGCG
GGCGGGGGCGCTATAAAGGGAGGGCGCAGGCGGCCCGGATCTCTCCGCCCATTTAAATCCAGCT
CCATAACGCTCCGCCCGCTGCTGCCGCGACCCGGACTGCGCGCCAGCACCCCTGCCGACAGCTC
CGTCACTATGGAGGATATGAACGAGTACAGCAATATAGAGGAATTCGCAGAGGGATCCAAGATCAACGCG
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TGACAGAGTACTTGTCTCGATTTGGGAAAGTTGTAGACTGCACAATTAACAGATCCAGTCACTGGGAG
ATCAAGAGGATTTGGATTTGTGCTTTTCAAAGATGCTGCTAGTGTGATAAGGTTTTGGAAGTAAAGAA
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AGGTTTTGTGGGTGGATTGAGCCCGGATACTTCTGAAGAACAATTAAGAATATTTGGAGCCTTTGG
AGAGATTGAAAATATTGAACTTCCCATGGATACAAAACAATGAAAGAAGAGGATTTGTTTTATCACA
TATACTGATGAAGAGCCAGTAAAAAATGTTAGAAAGCAGATACCAATCAATTTGTTCTGGGAAGTGTG
AAATCAAAGTTGCACAACCCAAAGAGGTATATAGGCAGCAACAGCAACAACAAGGTGGAAGAGGTGC
TGCAGCTGGTGGACGAGGTGGTACGAGGGGTCGTGGCCGAGGTCAGGGCCAAAAGTGAACCAAGGATTT
AATAACTATTATGATCAAGGATATGAAATTAACAATAGTGCCTATGGTGGTATCAAAAATAGTGGCT
ATGGCGGATATGATTATACTGGGTATAACTATGGGAAGTATGGATATGGACAGGGATATGCAGACTACAG
TGGCCAACAGAGCACTTATGGCAAGGCATCTCGAGGGGTGGCAATCACCAAAACAATTACCAGCCATAC

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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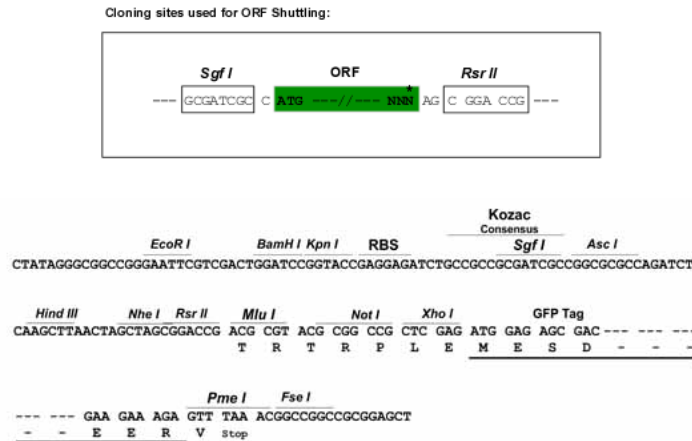
Protein Sequence: >RG204064 representing NM_031372
 Red=Cloning site Green=Tags(s)

MEVPPRLSHVPPPLFPSAPATLASRSLSHWRPPRPPQLAPLLPSLAPSSARQGARRAQRHVTAQQPSRLA
 GGAAIKGGRRRRDPDLFRRHFKSSSIQRSAAAAAATRTARQHPPADSSVTMEDMNEYSNIEEFAEGSKINA
 SKNQDDGKMF IGGLSWDTSKKDLTEYLSRFGEVVDCTIKTDPVTGRSRGFGFVLFKDAASVDKVLLEKE
 HKLDGKLIIDPKRAKALKGKEPPKVFVGGLSPTDSEEQIKEYFGAFGEIENIELPMDTKTNERRGFCFIT
 YTDEEPVKLLESRYHQIGSGKCEIKVAQPKEVYRQQQQQKGGRGAAAGRRGGTRGRGRGQGNWNQGF
 NNYDQYGNYSAYGGDQNYSGYGGYDYTGYNNGYGYGQGYADYSGQQSTYKGASRGGGNHQNNYQPY

SGP^{TRRRLE} - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_031372

ORF Size: 1260 bp

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.

Components: 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_031372.3](#)

RefSeq Size: 3510 bp

RefSeq ORF: 1263 bp

Locus ID: 9987

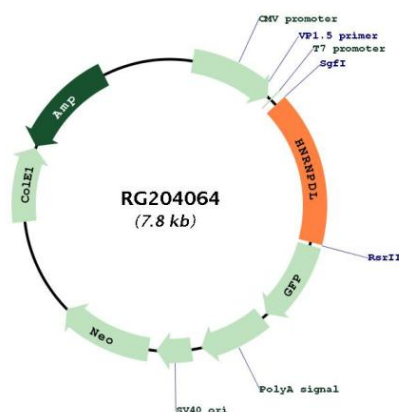
UniProt ID: [O14979](#)

Cytogenetics: 4q21.22

Domains: RRM

Gene Summary: This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene has two RRM domains that bind to RNAs. Three alternatively spliced transcript variants have been described for this gene. One of the variants is probably not translated because the transcript is a candidate for nonsense-mediated mRNA decay. The protein isoforms encoded by this gene are similar to its family member HNRPD. [provided by RefSeq, May 2011]

Product images:



Circular map for RG204064