

Product datasheet for **SC107613**

HNRPDL (HNRNPDL) (NM_031372) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNRPDL (HNRNPDL) (NM_031372) Human Untagged Clone
Tag:	Tag Free
Symbol:	HNRPDL
Synonyms:	HNRNP; HNRPDL; JKTBP; JKTBP2; IaAUF1; LGMD1G; LGMDD3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107613 sequence for NM_031372 edited (data generated by NextGen Sequencing)

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ATGGAGGTCCC GCCAGGCTTCCCATGTGCCGCCCATTTGTTCCCTCCGCTCCCGCT
ACTTTAGCCTCCCGCAGCCTCTCCATTGGCGGCCGCGGCCGCCGCGCAGCTAGCCCCG
CTCCTCCCTTCGCTCGCTCCCAGCTCCGCCCGCAGGGGGCGCGCCGGGCCAGCGCCAC
GTCACCGCCAGCAGCCCTCCGATTGGCGGGCGGGCGGCTATAAAGGGAGGGCGCAGG
CGGCGCCCGGATCTTCCGCGCCATTTAAATCCAGCTCCATAACAACGCTCCGCGCC
GCTGCTGCCGCGACCCGGACTGCGCGCCAGCACCCCTGCCGACAGCTCCGTCATG
GAGGATATGAACGAGTACAGCAATATAGAGGAATTCGAGAGGGATCCAAGATCAACGG
AGCAAGAATCAGCAGGATGACGGTAAAAATGTTTATTGGAGGCTTGAGCTGGGATAAAGC
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ACAGATCCAGTCACTGGGAGATCAAGAGGATTTGGATTTGTGCTTTTCAAAGATGCTGCT
AGTGTGTATAAGGTTTTGAACTGAAAGAACACAACTGGATGGCAAATGATAGATCCC
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CAAAAAGGTGGAAGAGGTGCTGCAGCTGGTGGACGAGGTGGTACGAGGGGTCGTGGCCGA
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TACAATAGTGCCTATGGTGGTATCAAACTATAGTGGCTATGGCGGATATGATTATACT
GGGTATAACTATGGAACTATGGATATGGACAGGGATATGCAGACTACAGTGGCCAAACAG
AGCACTTATGGCAAGGCATCTCGAGGGGTGGCAATCACCAAAACAATTACCAGCCATAC
TAA

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Clone variation with respect to NM_031372.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_031372 unedited
 GTATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGGGAGCAGG
 GTGCGCGAGAGCGCGCCCTCCGCANCAGTTGAGCGAGCGGGAGAGGCCCGGGGCACGTG
 CAGAAAGGAGCCCCGCGAGTGGCGCGCCGGGATGTGAGTGCCCCCTTGCCCTCTACTGAA
 TCCAGCCCCCTCCCCGCCACCGCTCCGCCTTGCATAGATACAGTCATCTGGCCAGCC
 CCCGCCCTCTCCCGGCGTCAGCCCGCCAGAGGCCGCGGGGGCCCGGGCTTCGGCCGA
 TCAGCCCGGAGGCCCGCCGCGCCCTTGGCCCGCGCCCGTGGTCACAGTGAAGA
 GGCGCCCGCTGCGCTGCCCGGAGGAGCGTCCGCGCCCGCTTCTGTTCGGCTGGTT
 CCTGCCAGCTCGAGGACAAAACACGCTGCGCGCGGGCGGAGCGCGCTCGCCGCTCA
 GTCGCCAGCGCCGGCGCAGTCCGCCTTTTCCGGAGCAGACTGGCCGCGGTGCTAGTCG
 GTAGCAGCGGCCCGCGCAGCGGCTCCGCACTGGCGAACCGAGGGCAGAAAAAGCGGNGT
 TGACGGCTTTTGGTAGGAGTGGGCTGGACCGGACGCCAGAGACAAAGGCTCCCAAGGA
 AGAGGGACTGTGGCCCTGCGTCGGCTCTGCTCGGAAGTGTGACCCAGGAATTTACGCC
 CCTTCGTTNTTCTTCTGATTCTCTCTTCTCCAGCCCGCGTCCCTCACGCGTGGCT
 CTCTCCTGCCCGAGGGCCGATGGNAGTCCCGCCAGCTTTNCCATGTGCCGNCGNC
 ATTGTTCCCTNCGCTCCGCTACTTTAGCTCCGCAGCTCTCCCATGGGGCGCCGCCCGC
 C

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_031372 unedited
 GTACCGCGGCCCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTAAACATAAGGAAGCA
 TTTATTTGAGTTTAAACATGAAATGATACAAATAAAATGTGTATAAACAAATCCACATTG
 AGTCATAACACAGATAGCAAAGGACAAAGTAAAAACAAAGAAAATAATTGGCAGCTATA
 TACAGTTGGACACAATGGTGTCTTGTACTACTAAAAAGTCTTTTACAAAATAATCATCTTA
 GATCAACAGAAGACCAATCTTCAATGTCGCTCCTGCAAGATGGGTTACTTTAACATCTCCT
 CCACAGGACAGCGTTTTCTGGTGTATGCCTTGGCTCTGCCCGCAACGTGCGACCCCCAG
 AGATAGACGTGGTCAGGGTGACACACGGCCTGCAATGAAGTTCGCCGTGTTTTCTCCAAT
 GTTCTCCTTAGTATGGCTGGTAATTGTTTTGGTGATTGCCACCCCTCGAGATGCCTTG
 CCATAAGTGTCTGTTGGCCACTGTAGTCTGCATATCCCTGTCCATATCCATAGTTCCCA
 TAGTTATACCCAGTATAAATCATATCCGCCATAGCCACTATAGTTTTGATCACCACCATA
 GGCACATTTGTAATTTCCATATCCTTGATCATAATAGTTATTAATCCCTTGGTTCCAGT
 TTTGGCCCTGACCTCGGCCACGACCCCTGTACCACCTGTCCACCAGCTGCAGCACCTC
 TTCCACCTTTTTGTTGCTGTTGCTGCCTATAACCTCTTTGGGTTGCGCAACTTTGAT
 TTACACTCCCCAGACCAATTGAGGGATCTGCTTCTAACATTTTTTACTGCCTCTTCTC
 AGAAATGGGAAAAACAAAACCTTTCTTCATTGGGTTTTGAATCATGGGAAGCAAAATT
 TTCAATTTTCAAAGCCCAATAT

Restriction Sites:

NotI-NotI

ACCN:

NM_031372

Insert Size:

2470 bp

OTI Disclaimer:

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).

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_031372.1](#), [NP_112740.1](#)

RefSeq Size: 3409 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]

Transcript Variant: This variant (2) encodes the longer isoform (a). **Sequence Note:** This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.