

Product datasheet for RC221204L3

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

HNRPH2 (HNRNPH2) (NM_019597) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: HNRPH2 (HNRNPH2) (NM_019597) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: HNRPH2

Synonyms: FTP3; hnRNPH'; HNRPH2; MRXSB; NRPH2

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC221204).

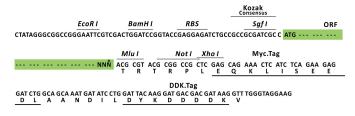
Sgfl-Mlul

Sequence:

Restriction Sites:

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_019597

ORF Size: 1347 bp





HNRPH2 (HNRNPH2) (NM_019597) Human Tagged Lenti ORF Clone - RC221204L3

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: <u>NM 019597.3</u>

 RefSeq Size:
 2392 bp

 RefSeq ORF:
 1350 bp

 Locus ID:
 3188

 UniProt ID:
 P55795

Cytogenetics: Xq22.1

Domains: RRM

MW: 49.3 kDa

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 three repeats of quasi-RRM domains that binds to RNAs. It is very similar to the family member HNRPH1. This gene is thought to be involved in Fabray disease and X-linked agammaglobulinemia phenotype. Alternative splicing results in multiple transcript variants encoding the same protein. Readthrough transcription between this locus and the ribosomal protein L36a gene has been

observed. [provided by RefSeq, Jan 2011]