

Product datasheet for **RR214215**

Nhp2l1 (NM_212515) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nhp2l1 (NM_212515) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nhp2l1
Synonyms: Otk27; Snu13
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214215 representing NM_212515
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACGGAGGCTGATGTGAACCCAAAGGCCTATCCCTCGCAGATGCCACCTACCAAGAAGCTGCTGG
ACCTTGTTTCAGCAGTCGTGTAACAAGCAGCTTCGGAAAGGAGCCAATGAAGCCACAAAACCTCAA
CAGAGGCATCTCTGAGTTCATTGTGATGGCAGCAGACGCTGAGCCCTGGAGATCATCTGCACCTCCCT
CTGCTGTGTGAAGACAAGAATGTCCCCTATGTATTTGTACGCTCCAAGCAGGCTTTAGGACGGCCCTGTG
GAGTCTCCAGGCCGGTCATCGCTGTTCTGTAACCATCAAGAAGGCTCTCAACTAAAGCAGCAGATCCA
ATCCATTCAGCAGTCTATTGAGCGGCTCCTGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214215 representing NM_212515
Red=Cloning site Green=Tags(s)

MTEADVNPKAYPLADAHLTKKLLDLVQQSCNYQLRKGANEATKTLNRGISEFIVMAADAEPLIILHLP
LLCEDKNVPYVFRSKQALGRACGVSRPVIACSVTIKEGSQLKQIQSIQSIERLLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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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:	<ol style="list-style-type: none">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_212515.2 , NP_997680.1
RefSeq Size:	632 bp
RefSeq ORF:	387 bp
Locus ID:	300092
UniProt ID:	P55770
Cytogenetics:	7q34
MW:	14.2 kDa
Gene Summary:	Involved in pre-mRNA splicing as component of the spliceosome. Binds to the 5'-stem-loop of U4 snRNA and thereby contributes to spliceosome assembly. The protein undergoes a conformational change upon RNA-binding.[UniProtKB/Swiss-Prot Function]