

Product datasheet for RC223427

Heterogeneous Nuclear Ribonucleoprotein (A1 like) (HNRNPA1L2) (NM_001011725) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Heterogeneous Nuclear Ribonucleoprotein (A1 like) (HNRNPA1L2) (NM_001011725) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Heterogeneous Nuclear Ribonucleoprotein (A1 like)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC223427 representing NM_001011725 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTAAGTCAGCGTCTCCAAAAGAGCCCGAACAGCTGAGGAAGCTCTTCATTGGAGGGTTGAGCTTTG
AAACAACCTGATGAGAGCCTGAGGAGCCATTTTGGCAATGGGGAACGCTCACAGACTGTGTGTAATGAG
AGATCCAAACACCAAGCGCTCCAGGGGCTTTGGGTTTGTACATATGCCACTGTGGAGGAGGTGGATGCA
GCTATGAATACAACGCCACACAAGGTGGATGGAAGAGTTGTGGAACCAAAGAGAGCTGTCTCCAGAGAAG
ATTCTCAAAGACCAGGTGCCCACTTAACGTGAAAAAGATATTTGTTGGTGGCATTAAAGAAGACTGA
AGAACATCACCTAAGAGATTATTTGAACAGTATGGAAAAATTGAAGTAATTGAAATCATGACTGACCGA
GGCAGTGGCAAGAAAAGGGGCTTTGCCTTTGTAACCTTTGACGACCATGACTCCGTGGATAAGATTGTCA
TTCAGAAATACCACTACTGTGAAGGGCCACAACCTGTGAAGTTAGAAAAGCCCTGCCAAAGCAAGAGATGGC
TAGTGCTTCATCCAGCCAAAGAGGTGGAAGGGTCTGGAACCTTTGGTGGTGGCTTTGGTGGCAGCTGTGGT
GGTGGGAATGACAACCTTTGGTCTGGAGGAACTTCAGTGGTCTGGTGGCTTTGGTGGCAGCTGTGGT
GTGGTGGATGGTGGCAGTGGGATGGCTATAATGGATTTGGTAATGATGGAAGCAATTTGGAGGTGG
TGAAGCTACAATGATTTTGGCAATTACAACAATCAGTCTTCAAATTTGGACCCATGAAGGGAGGAAAT
TTTGGAGGCAGAAGCTCTGGCCCTATGGCGGTGGAGGCCAATACTTTGCAAAACCACAAAACCAAGGTG
GCTATGGCGTTTCCAGCAGCAGCAGTAGCTATGGCAGTGCCAGAAGATTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC223427 representing NM_001011725
 Red=Cloning site Green=Tags(s)

MSKSASPKEPEQLRKLFIGGLSFETTDESLRSHFEQWGLTDCVVMRDPNPKRSRGGFVITYATVEEVDA
 AMNTTPHKVDGRVVEPKRAVSREDSQRPGAHLTVKKIFVGGIKEDTEEHHLRDYFEQYKIEVIEIMTDR
 GSGKKRGFAFVTFDDHDSVDKIVIQKYHTVKGHNCEVRKALPKQEMASASSSQRRRSGSNFGGGRGDGF
 GGNDNFGRGGNFSGRGGFSGCGGGYGGSGDGYNGFGNDGSNFGGGGSYNDFGNYNQSSNFGPMKGGN
 FGRSSGPYGGGQYFAKPQNQGGYGVSSSSSYGSGRRF

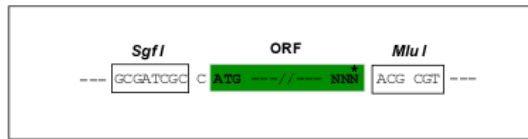
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6456_f03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001011725

ORF Size: 960 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_001011725.2](#)

RefSeq Size: 2224 bp

RefSeq ORF: 963 bp

Locus ID: 144983

UniProt ID: [Q32P51](#)

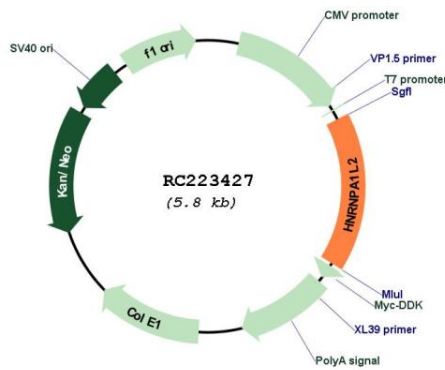
Cytogenetics: 13q14.3

Protein Pathways: Spliceosome

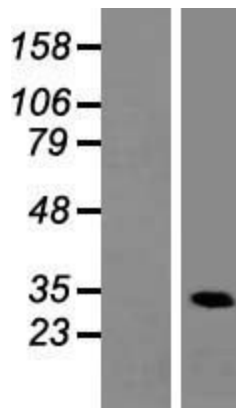
MW: 34 kDa

Gene Summary: Involved in the packaging of pre-mRNA into hnRNP particles, transport of poly(A) mRNA from the nucleus to the cytoplasm and may modulate splice site selection.[UniProtKB/Swiss-Prot Function]

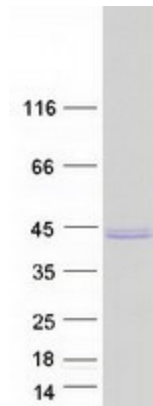
Product images:



Circular map for RC223427



Western blot validation of overexpression lysate (Cat# [LY423306]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223427 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified HNRNPA1L2 protein (Cat# [TP323427]). The protein was produced from HEK293T cells transfected with HNRNPA1L2 cDNA clone (Cat# RC223427) using MegaTran 2.0 (Cat# [TT210002]).