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Product datasheet for RC202357

C9orf80 (INIP) (NM_021218) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C9orf80 (INIP) (NM_021218) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C9orf80
Synonyms:	C9orf80; HSPC043; hSSBIP1; MISE; SOSSC; SSBIP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC202357 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGCAAACTCTTCAGGACAAGGTTTTCAAAACAAAAATAGAGTTGCAATCTTGGCAGAACTGGACA
AAGAGAAAAGAAAACTACTTATGCAGAACCAGTCTTCAACAAATCATCCTGGAGCTAGCATTGCACTCTC
GAGACCCTCTCTTAATAAGGACTTCCGGGATCACGCTGAGCAGCAGCATATTGCAGCCCAACAGAAGGCA
GCTTTGCAGCATGCTCATGCACATTCATCTGGATACTTCATCACTCAAGACTCTGCATTTGGGAACCTTA
TTCTTCCTGTTTTACCTCGCCTTGACCCAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202357 protein sequence
Red=Cloning site Green=Tags(s)

MAANSSGQGFQNKNRVAILAELDKEKRKLLMQNQSSTNHPGASIALSRPSLNKDFRDHAEQQHIAAQQKA
ALQHAHAHSSGYFITQDSAFGNLILPVLPRLDPE

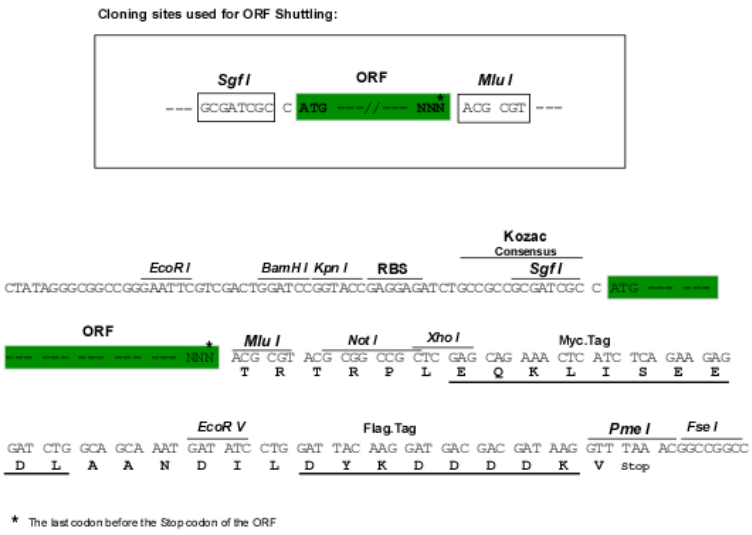
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6307_h08.zip

Restriction Sites: SgfI-MluI

View online »

Cloning Scheme:



ACCN:	NM_021218
ORF Size:	312 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_021218.3
RefSeq Size:	1532 bp
RefSeq ORF:	315 bp
Locus ID:	58493

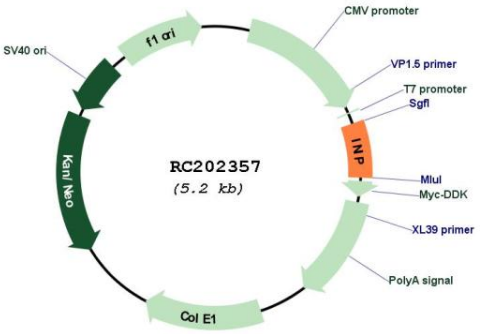
UniProt ID: Q9NRY2

Cytogenetics: 9q32

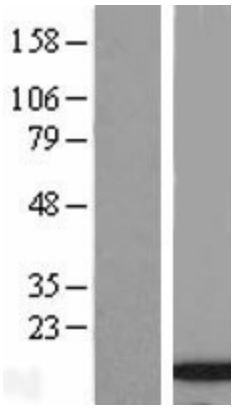
MW: 11.4 kDa

Gene Summary: The protein encoded by this gene is a subunit of single-stranded DNA binding complexes that are important for maintaining genome stability. These complexes are involved in G2/M checkpoint control and homologous recombination repair. [provided by RefSeq, Jul 2016]

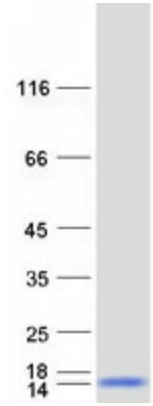
Product images:



Circular map for RC202357



Western blot validation of overexpression lysate (Cat# [LY412020]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202357 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified INIP protein (Cat# [TP302357]). The protein was produced from HEK293T cells transfected with INIP cDNA clone (Cat# RC202357) using MegaTran 2.0 (Cat# [TT210002]).