

Product datasheet for **RC233406**

MICOS10-NBL1 (NM_001204088) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MICOS10-NBL1 (NM_001204088) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MICOS10-NBL1
Synonyms:	C1orf151-NBL1; DAN; DAND1; MINOS1-NBL1; NBL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233406 representing NM_001204088 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGAATGCACAGCAACTTCTGGCTCTGGAGGCCACGGGCATGATGCTTCGGGTCTGGTGGGGGCTG
TCCTCCCTGCCATGCTACTGGTGCCCCACCCCATCAACAAGCTGGCACTGTTCCAGATAAGAGTGC
CTGGTGCAGCAAGCAAGAACATCACCCAGATCGTGGGCCACAGCGGCTGTGAGGCCAAGTCCATCCAGAAC
AGGGCGTGCTAGGACAGTGCTCAGCTACAGCGTCCCCAACCTTCCACAGTCCACAGAGTCCCTGG
TTCAGTGTGACTCCTGCATGCCAGCCAGTCCATGTGGGAGATTGTGACGCTGGAGTGCCCGGGCCACGA
GGAGGTGCCAGGGTGGACAAGCTGGTGGAGAAGATCCTGCACTGTAGTGCCAGGCCTGCGGCAAGGAG
CCTAGTCACGAGGGGCTGAGCGTCTATGTGCAGGGCGAGGACGGGCCGGGATCCCAGCCCGGCACCCACC
CTACCCCCATCCCCACCCCATCCTGGCGGCAGACCCCTGAGCCCAGGACCCCCCTGGGGCCCCCA
CACAGAGGAAGAGGGGCTGAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC233406 representing NM_001204088 Red=Cloning site Green=Tags(s)
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MVNAQQLALEATGMMLRVLVGAVLPAMLLAAPPPINKLALFPDKSAWCEAKNITQIVHSGCEAKSIQN
RACLGQCFSYSVPNTFPQSTESLVHCDSCMPAQSMWEIVTLECPGHEEVPRVDKLVKILHCSCQACGKE
PSHEGLSVYVQGEDGPSQPGTHPHPHPHPHPGGQTPEPEDPPGAPHTEEEGAED

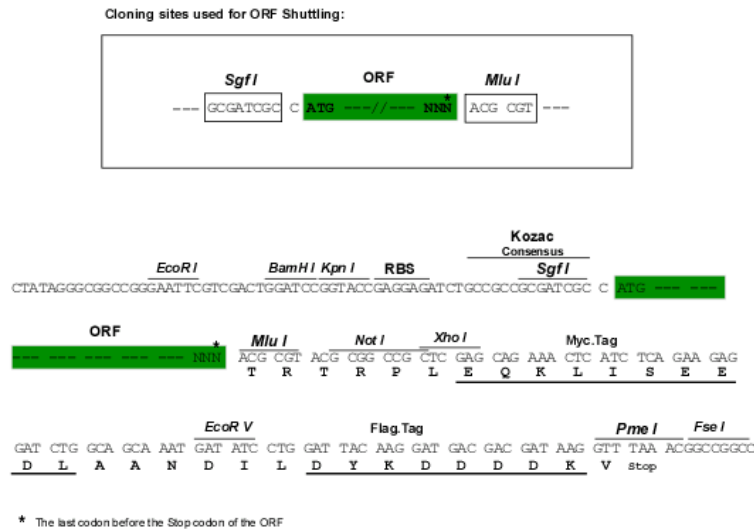
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001204088

ORF Size: 585 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001204088.2](#)

RefSeq Size: 2210 bp

RefSeq ORF: 588 bp

Locus ID: 100532736

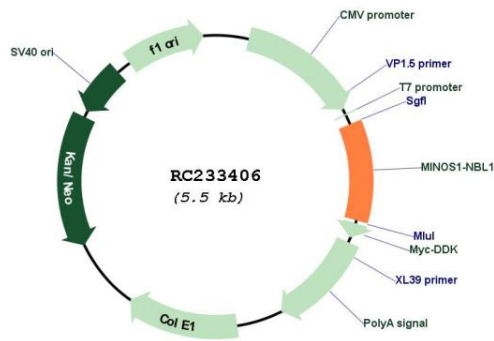
UniProt ID: [P41271](#)

Cytogenetics: 1p36.13

MW: 21.3 kDa

Gene Summary: This locus represents naturally occurring read-through transcription between the neighboring chromosome 1 open reading frame 151 (GeneID 440574) and neuroblastoma suppressor of tumorigenicity 1 (GeneID 4681) genes on chromosome 1. The read-through transcripts produce at least two proteins, each of which share identity with proteins translated from the downstream neuroblastoma suppressor of tumorigenicity 1 locus. [provided by RefSeq, Feb 2011]

Product images:



Circular map for RC233406