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Product datasheet for MR202067

Snx10 (NM_001127349) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snx10 (NM_001127349) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Snx10
Synonyms:	2410004M09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR202067 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCCCAGAACAGCAGAAAGAGGAGTTCGTGAGTGTCTGGGTCCGGGACCCCAGGATTCAGAAGGAGG
ACTTTTGGCACTCTTATATCGACTATGAGATCTGCATTCACACAAATAGCATGTGTTTTACAATGAAAAC
ATCTTGTGTACGAAGAAGGTATAGAGAGTTCGTGTGGCTGAGGCAAAGACTCCAAAGCAACGCGTTGCTG
GTACAATTACCAGAACTTCCGTCTAAAAACCTGTTTTTCAACATGAACAATCGCCAGCATGTCGACCAAC
GCCGCCAGGGCTTGGAAGATTTCCTCAGAAAAGTCCTGCAGAATGCACTCTTGCTTTCCGATAGCAGCCT
CCACCTCTTCCTGCAGAGCCATCTGAACTCCGAGGACATTGAAGCATGTGTTTCTGGGCAGACCAAGTAC
TCGGTGGAAGAAGCCATTCACAAGTTTGCTTTAATGAATAGACGGTTTCCCGAAGAAGAAGAAGAAGGGA
AGAAAGACGCCGACGTAGAGTATGATTCAGAAAGTTCATCCTCTGGGCTTGGACACAGTAGTGATGACAG
CAGTTCTCATGGATGTAAAACGAGCCCAGCTCTGCAGGAGTCC

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR202067 protein sequence
Red=Cloning site Green=Tags(s)

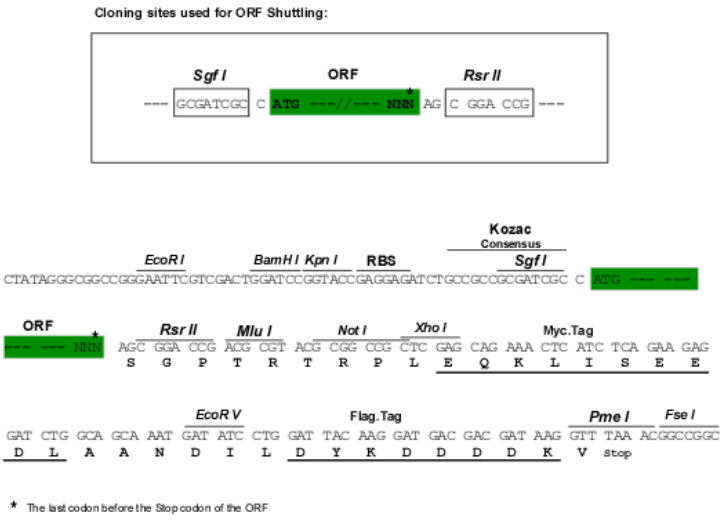
MFPEQQKEEFVSVWVRDPRIQKEDFWHSYIDYEICIHTNSMCFTMKTSCVRRRYREFVWLRQRLQSNALL
VQLPELPSKNLFFNMNNRQHVDQRRQGLEDFLRKVLQNALLLSDSSLHLFLQSHLNSEDIEACVSGQTKY
SVEEAIHKFALMNRRFPEEEEEGKKDADVEYDSESSSSGLGHSSDDSSSHGCKTSPALQES

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

View online »

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001127349

ORF Size: 606 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_001127349.1, NP_001120821.1

RefSeq Size: 2469 bp

RefSeq ORF: 606 bp

Locus ID: 71982

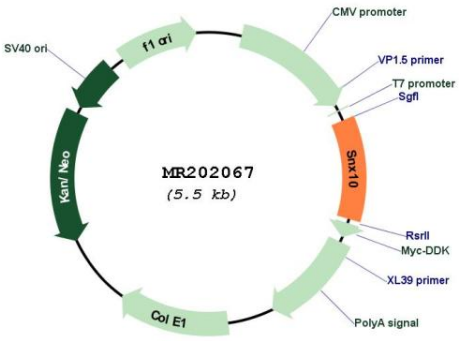
UniProt ID: Q9CWT3

Cytogenetics: 6 B3

MW: 23.5 kDa

Gene Summary: Probable phosphoinositide-binding protein involved in protein sorting and membrane trafficking in endosomes. Plays a role in cilium biogenesis through regulation of the transport and the localization of proteins to the cilium. Required for the localization to the cilium of V-ATPase subunit ATP6V1D and ATP6V0D1, and RAB8A. Involved in osteoclast differentiation and therefore bone resorption.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202067