

Product datasheet for MR217234

Snx10 (NM_001127348) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Snx10 (NM_001127348) 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: >MR217234 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCAGAACAGCAGAAAGAGGAGTTCGTGAGTGTCTGGTCCGGGACCCAGGATTCAGAAGGAGG
ACTTTTGGCACTTTATATCGACTATGAGATCTGCATTACACAAATAGCATGTGTTTTACAATGAAAAC
ATCTTGTGTACGAAGAAGGTATAGAGAGTTCGTGTGGCTGAGGCAAAGACTCCAAAGCAACGCGTTGCTG
GTACAATTACCAGAACTCCGTCTAAAAACCTGTTTTTCAACATGAACAATCGCCAGCATGTCGACCAAC
GCCGCCAGGGCTTGAAGATTTCTCAGAAAAGTCTGCAGAATGCACTCTTGCTTTCCGATAGCAGCCT
CCACCTCTTCTGCAGAGCCATCTGAACTCCGAGGACATTGAAGCATGTGTTTCTGGGCAGACCAAGTAC
TCGGTGAAGAAGCCATTCAAGTTTCTTTAATGAATAGACGGTTTCCCGAAGAAGAAGAAGAAGGGA
AGAAAGACGCCGACGTAGAGTATGATTCAGAAAGTTTCCTCTGGGCTTGGACACAGTAGTGATGACAG
CAGTTCTCATGGATGTAAAACGAGCCCAGCTCTGCAGGAGTCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR217234 protein sequence
Red=Cloning site Green=Tags(s)

MFPEQQKEEFVSVWRDPRIQKEDFWHSYIDYEICHTNSMCFMTKTSVRRRYREFVWLRQRLQSNALL
VQLPELPSKNLFFNMNRRQHVDQRRQGLEDFLRKVLQNALLSDSSLHLFLQSHLNSIEDIEACVSGQTKY
SVEEAIHKFALMNRFPPEEEEEGKKDADVEYDSESSSSGLGHSSDDSSSHGCKTSPALQES

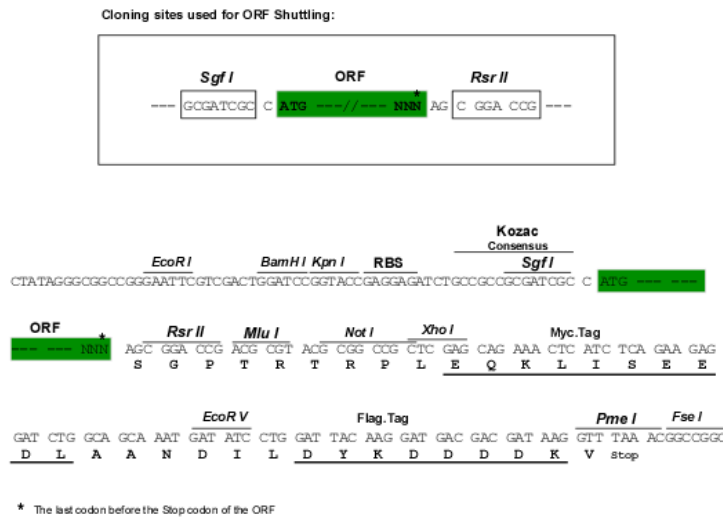
SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001127348

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_001127348.1](#), [NP_001120820.1](#)

RefSeq Size: 2464 bp

RefSeq ORF: 606 bp

Locus ID: 71982

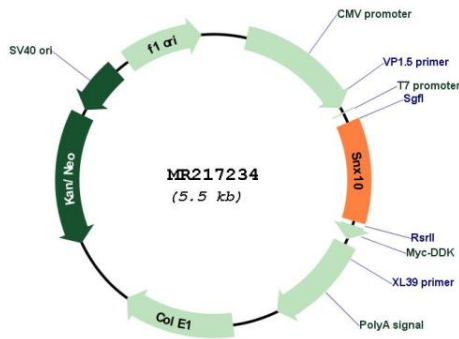
UniProt ID: [Q9CWT3](#)

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 MR217234