

Product datasheet for MR203337

Snf8 (NM_033568) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snf8 (NM_033568) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Snf8
Synonyms:	D11Moh34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203337 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCACCGGCGCGGGTGGGAGCTGGCGCCATTGCCAAGAAGAACTCGCAGAGGCCAAGTATAAGGAGC
GAGGGACTGTCTGGCTGAGGACCAGCTGGCCAGATGTCAAACAGCTGGACATGTTCAAGACCAACCT
AGAAGAATTTGCCAGCAAGCACAAGCAAGAGATCCGGAAGAATCCTGAGTCCGAGTCCAGTTCCAAGAC
ATGTGTGCAACCATTGGGGTGGATCCCCTGGCCTCTGGAAAAGGCTTTTGGTCTGAGATGCTGGCGTTG
GGGACTTCTATTGAACTGGGTGTCCAGATTATTGAAGTGTGCCTGGCCCTCAAACATCGGAATGGAGG
TCTGATAACTCTGGAGGACTACATCAGCAGGTGTTAAAAGGAAGGGCAAGTTTGTCTCAGGATGTCAGC
CAAGACGACCTGATCAGGGCCATCAAGAAGCTGAAAGCCCTGGGCACTGGATTCCGCATCATCCCTGTGG
GAGGCACTTACCTCATCCAGTCTGTTCCCCTGAGCTCAATATGGATCACACTGTTGTGCTGCAGCTGGC
CGAGAAAAACGGGTATGTGACTGTCAAGTAAATCAAACAGTCTTAAATGGGAGACGGAGCGAGCACGG
CAAGTGTGGAACACCTGCTGAAGGAAGGACTGGCCTGGCTGGATCTGCAGGCTCCAGGGGAGGCCCACT
ACTGGCTGCCAGCTCTTTCACAGATCTCTACTCCCAGGAGATATCAGCTGAGGAGGCCAAAGAAGCCTT
CCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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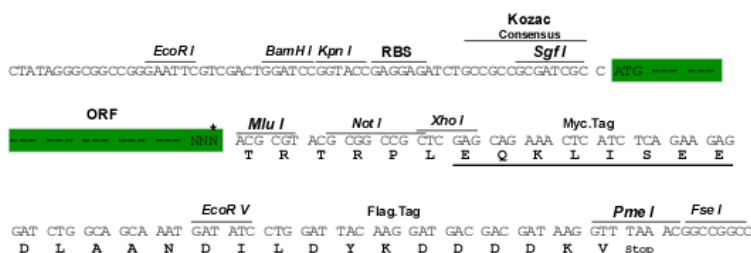
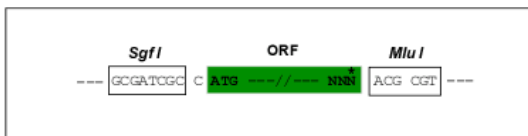
Protein Sequence: >MR203337 protein sequence
 Red=Cloning site Green=Tags(s)
 MHRRGVGAGAI AKKKLAEAKYKERGT VLAEDQLAQMSKQLDMFKTNLEEFASKHKQEIRKNPEFRVQFD
 MCATIGVDPLASGKGFWSEMLGVGDFYELGVQIIEVCLALKHRNGGLITL EELHQVLKGRGKFAQDVS
 QDDLIRAIKKLALGTGFGIIPVGGTYLIQSVPAELNMDHTVVLQLAEKNGYVTVSEIKTSLKWETERAR
 QVLEHLLKEGLAWLDLQAPGEAHYWLPALFTDLYSQEISAE EAKEAFP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_033568

ORF Size: 777 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_033568.3](#)

RefSeq Size: 947 bp

RefSeq ORF: 777 bp

Locus ID: 27681

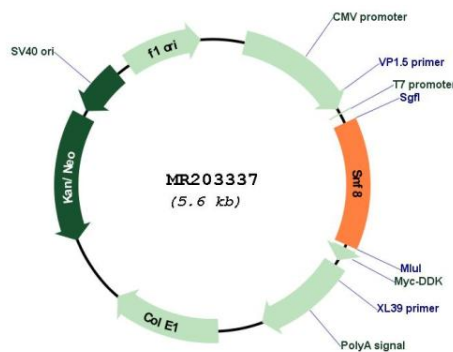
UniProt ID: [Q9CZ28](#)

Cytogenetics: 11 59.24 cM

MW: 28.9 kDa

Gene Summary: Component of the endosomal sorting complex required for transport II (ESCRT-II), which is required for multivesicular body (MVB) formation and sorting of endosomal cargo proteins into MVBs. The MVB pathway mediates delivery of transmembrane proteins into the lumen of the lysosome for degradation. The ESCRT-II complex is probably involved in the recruitment of the ESCRT-III complex. The ESCRT-II complex may also play a role in transcription regulation by participating in derepression of transcription by RNA polymerase II, possibly via its interaction with ELL. Required for degradation of both endocytosed EGF and EGFR, but not for the EGFR ligand-mediated internalization. Required for the exosomal release of SDCBP, CD63 and syndecan (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203337