

Product datasheet for **RR215304**

Snf8 (NM_001007804) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Snf8 (NM_001007804) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Snf8
Synonyms: D11moh34; RGD1310144
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215304 representing NM_001007804
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCACCGCGCGGGTGGGAGCTGGCGCCATTGCCAAGAAGAACTCGCCGAGGCCAAGTATAAGGAGC
GAGGGACTGTCTGGCTGAGGACCAGCTGGCTCAGATGTCAAACAGTTGGACATGTTCAAGACCAACCT
AGAAGAATTTGCCAGCAAGCACAAGCAAGAGATCCGGAAGAATCCTGAGTCCGAGTTCAGTTCCAGGAC
ATGTGTGCTACCATTTGGGTGGATCCTCTGGCCTCTGGAAAAGGATTTTGGTCTGAGATGCTGGGTGTTG
GGGACTTCTATTGAACTGGGCGTCCAGATTATTGAAGTGTGCCTGGCCCTAAAACATCGGAACGGAGG
TCTGATAACTCTGGAGGAGCTACATCAGCAGGTGTTAAAAGGAAGGGCAAGTTTGTCTCAGGATGTCAGC
CAAGACGACCTGATCAGGGCCATCAAGAAGCTGAAAGCACTGGGCACTGGATTTGGCATCATCCCTGTGG
GAGGAACCTACCTCATTGAGTCTGTTCCAGCTGAGCTCAATATGGATCACACTGTTGTGCTGCAGCTGGC
CGAGAAAAACGGTTATGTGACTGTCAGTCAAATCAAAGCCAGTCTAAATGGGAGACGGAGCGAGCACGG
CAAGTGTGGAACACCTGCTGAAGGAAGGACTGGCCTGGCTGGATCTGCAGGCACCAGGGGAGGCCCACT
ACTGGCTGCCAGCTCTTTCACAGATCTCTACTCCAGGAGATATCAGCTGAGGAGGCCAAAGAAGTCTT
TCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR215304 representing NM_001007804
 Red=Cloning site Green=Tags(s)

MHRRGVGAGAIAKKKLAEAKYKERGTVLAEDQLAQMSKQLDMFKTNLEEFASKHKQEIRKNPEFRVQFQD
 MCATIGVDPLASGKGFWSEMLGVGDFYELGVQIIIEVCLALKHRNGGLITL EELHQV LKGRGKFAQDVS
 QDDLIRAIKKL KALGTGFGIIPVGGTYLIQSVPAELNMDHTVVLQLAEKNGYVTVSEIKASLKWETERAR
 QVLEHLLKEGLAWLDLQAPGEAHYWL PALFTDLYSQEISAE EAKEVF P

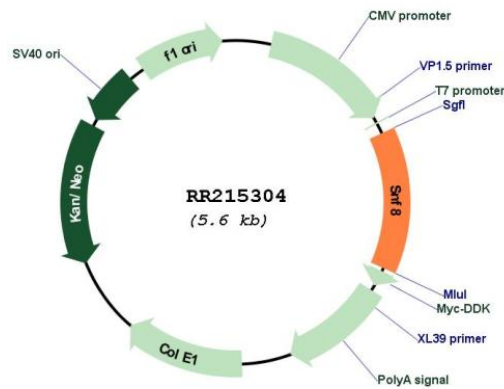
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001007804

ORF Size: 774 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:	<ol style="list-style-type: none">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_001007804.1 , NP_001007805.1
RefSeq Size:	777 bp
RefSeq ORF:	777 bp
Locus ID:	287645
UniProt ID:	Q5RK19
Cytogenetics:	10q26
MW:	28.9 kDa
Gene Summary:	Required for degradation of both endocytosed EGF and EGFR, but not for the EGFR ligand-mediated internalization (By similarity). 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 the exosomal release of SDCBP, CD63 and syndecan (By similarity).[UniProtKB/Swiss-Prot Function]