

Product datasheet for **RN215304**

Snf8 (NM_001007804) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Snf8 (NM_001007804) Rat Untagged Clone
Tag: Tag Free
Symbol: Snf8
Synonyms: D11moh34; RGD1310144
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN215304 representing NM_001007804
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCACCGCGCGGGTGGGAGCTGGCGCCATTGCCAAGAAGAACTCGCCGAGGCCAAGTATAAGGAGC
GAGGGACTGTCTGGCTGAGGACCAGCTGGCTCAGATGTCAAACAGTTGGACATGTTCAAGACCAACCT
AGAAGAATTTGCCAGCAAGCACAAGCAAGAGATCCGGAAGAATCCTGAGTCCGAGTTCAGTTCCAGGAC
ATGTGTGCTACCATTTGGGTGGATCCTCTGGCCTCTGGAAAAGGATTTTGGTCTGAGATGCTGGGTGTTG
GGGACTTCTATTGAACTGGGCGTCCAGATTATTGAAGTGTGCCTGGCCCTAAAACATCGGAACGGAGG
TCTGATAACTCTGGAGGAGCTACATCAGCAGGTGTTAAAAGGAAGGGGCAAGTTTGTCTCAGGATGTCAGC
CAAGACGACCTGATCAGGGCCATCAAGAAGCTGAAAGCACTGGGCACTGGATTTGGCATCATCCCTGTGG
GAGGAACCTACCTCATTGAGTCTGTTCCAGCTGAGCTCAATATGGATCACACTGTTGTGCTGCAGCTGGC
CGAGAAAAACGGTTATGTGACTGTCAGTGAAATCAAAGCCAGTCTAAATGGGAGACGGAGCGAGCACGG
CAAGTGTGGAACACCTGCTGAAGGAAGGACTGGCCTGGCTGGATCTGCAGGCACCAGGGGAGGCCCACT
ACTGGCTGCCAGCTCTTTCACAGATCTCTACTCCAGGAGATATCAGCTGAGGAGGCCAAAGAAGTCTT
TCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001007804
Insert Size: 777 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001007804.1</u> , <u>NP_001007805.1</u>
RefSeq Size:	777 bp
RefSeq ORF:	777 bp
Locus ID:	287645
UniProt ID:	<u>Q5RK19</u>
Cytogenetics:	10q26
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]