

Product datasheet for **RN213896**

Def8 (NM_001024774) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Def8 (NM_001024774) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Def8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN213896 representing NM_001024774 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTACGATGAGAAGCTAGTTCGATCCGGCAGGCCACCTCAACCCCTTCAACAAGCACCTTGGAC
CAAGGCATCATGAACAGGAACCCAACGAAAAGGCCAGGAAGTCACTTCTGAAGACTCTGCCTGAGT
GCCCGCAGGGGAGCCTGAGTTCTGCTACTCCGAGCGCATGATGGATCTTGGCCTGTCTGAGGACCACTT
TCCCGCCCTGTGGGTCTCTTCTGGCCTCTGATGTCCAGCAGCTGCGGCAGGCGATCGAAGAATGCAAGC
AGGTGATTCTAGAGCTGCCAGAGCAGTCGGAGAAGCAGAAAGACGCCGTGGTGGAGCTGATCCACCTCCG
GCTGAAGCTCCAGGAGCTGAAGGACCCCAATGAGGAGGAACCAACATCCGGTTCTCTAGAGCATCGC
TTCTACAAGGAGAAGAGCAAGAGCGTCAAACAACCTGCGACAAGTGCAATACCATCATCTGGGGCTCA
TCCAGACCTGGTACACCTGCACAGGGTGTATTACCGCTGCCACAGCAAGTGCTTGAACCTCATCTCCAG
ACCATGTGTCAGCTCCAAGGTGAGTACCAGGCTGAGTACGAGCTGAACATCTGCCCGAGACCGGGCTG
GACAGCCAGGACTACCGCTGCGCGGAGTGCCGAGCTCCCATCTCTCCGAGGTGTCCCTAGTGAAGCCC
GGCAGTGCAGTACACCGCCAGTACTACTGCAGCCACTGCCACTGGAACGACTTGGCTGTTATCCCTGC
CAGAGTAGTACACAACCTGGGACTTTGAGCCACGCAAGGTGTCCCGTTGCAGCATGCGTACTTGGCACTG
ATGGTGTCTCGGCCAGTGTCCGGCTCCGGGAGATTAACCCCTTGTCTGTTAACTATGTGGAAGAACTGG
TGGAGATCCGGAAGCTGCGCCAGGACATCTGCTCATGAAGCCATACTTTATCACCTGCAAGGAGGCCAT
GGAGGCACGACTGCTGCTGCAGCTACAAGACCGACAGCATTTTGTGGAGAACGATGAGATGTACTCCATC
CAGGACCTCTTGGAGGTGCATGCGCCGACTCAGCTGCTCGCTAACTGAGATCCACACGATCTTCGCCA
AGCACATAAAGTACTGTGAGCGGTGCCAAGCCAAGGGTTCGCTGCGAACTCTGCAAGAAGGTGA
TGTGCTGTTCCCGTTCGACAGCCATACATCTGTGTGCAACGACTGTTGAGCTGCTTCCACAGGGACTGT
TACTACGACAACCTGACCACGTGCCCAAGTGTGCCGACTCACCTTGAGAAAGCAGTCGCTATTCCAGG
AGCCTGGTCTGGACGTGGATGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001024774
Insert Size:	1356 bp
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_001024774.1</u> , <u>NP_001019945.1</u>
RefSeq Size:	3196 bp
RefSeq ORF:	1356 bp
Locus ID:	307973
UniProt ID:	<u>Q4V8I4</u>
Cytogenetics:	19q12
Gene Summary:	Positively regulates lysosome peripheral distribution and ruffled border formation in osteoclasts. Involved in bone resorption.[UniProtKB/Swiss-Prot Function]