

Product datasheet for **RG234137**

DEF8 (NM_001242820) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DEF8 (NM_001242820) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DEF8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG234137 representing NM_001242820 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAATATGATGAGAAGCTGGCCGTTCCGGCAGGCCACCTCAACCCCTTCAACAAGCAGTCTGGGC
CGAGACAGCATGAGCAGGGCCCTGGGGAGGAGGTCCCGGACGTCCTCCTGAAGAGGCCCTGCCTGAGCT
GCCCCCTGGGGAGCCGGAATCCGCTGCCCTGAACCGTGATGGATCTCGGCCTGTCTGAGGACCACTTC
TCCCGCCCTGTGGGTCTGTTCTGGCCTCTGACGTCCAGCAGCTGCGGCAGGCCGATCGAGGAGTGAAGC
AGGTGATTCTGGAGCTGCCCGAGCAGTCGGAGAAGCAGAAAGGATGCCGTGGTGGCAGTCAACCACTCCG
GCTGAAGCTCCAGGAGCTGAAGGACCCCAATGAGGATGAGCCAAACATCCGAGTGCCTCTTGAGCACCGC
TTTTACAAGGAGAAGAGCAAGAGCGTCAAGCAGACCTGTGACAAGTGAACACCATCATCTGGGGGCTCA
TTCAGACCTGGTACACCTGCACAGGGTGTATTACCGCTGTACAGTAAGTGTGAACTCATCTCCAA
GCCCTGTGTGAGCTCAAAGTCAGCCACCAAGCTGAATACGAACTGAACATCTGCCCTGAGACAGGGCTG
GACAGCCAGGATTACCGCTGTGCCGAGTGCCGGGCGCCATCTCTGCGGGGTGTGCCAGTGAGGCCA
GGCAGTGCAGTACACCGCCAGTACTACTGCAGCCACTGCCACTGGAACGACCTGGCTGTGATCCCTGC
ACGCGTTGTACACAAGTGGGACTTTGAGCCTCGAAAGTTTCTCGCTGCAGCATGCGCTACCTGGCGCTG
ATGGTGTCTCGGCCGTAAGTACTCAGGCTCCGGGAGATCAACCCTCTGCTGTTGAGTACGTGGAGGAGCTGG
TGGAGATTCGCAAGCTGCGCCAGGACATCCTGCTCATGAAGCCGTAATCATCACCTGCAGGAGGCCAT
GGAGGCTCGTCTGCTGCTGCAGCTCCAGGATCGGCAGCATTGTTGGAGAACGACGAGATGTAATCTGTC
CAGGACCTCCTGGACGTGCATGCCGGCCGCTGGGCTGCTCGCTCACCAGATCCACACGCTCTTCGCCA
AGCACATCAAGCTGGACTGCGAGCGGTGCCAGGCCAAGGGCTTCGTGTGTGAGCTCTGCAGAGAGGGCGA
CGTGTGTTCCCGTTCGACAGCCACAGCTGTGTGCGCCGACTGCTCCGCGGTCTTCACAGGGACTGC
TACTACGACAAGTCCACCACTTGTCCCAAGTGTGCCCGGCTCAGCCTGAGGAAGCAGTGCCTCTCCAGG
AGCCAGGTCCCGATGTGGAGCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

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_001242820.1](#), [NP_001229749.1](#)

RefSeq Size: 3902 bp

RefSeq ORF: 1356 bp

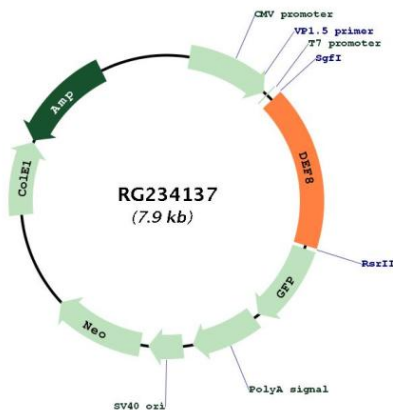
Locus ID: 54849

UniProt ID: [Q6ZN54](#)

Cytogenetics: 16q24.3

Gene Summary: Positively regulates lysosome peripheral distribution and ruffled border formation in osteoclasts. Involved in bone resorption.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG234137