

Product datasheet for **SC331879**

DEF8 (NM_001242816) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: DEF8 (NM_001242816) Human Untagged Clone
Tag: Tag Free
Symbol: DEF8
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331879 representing NM_001242816.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAATATGATGAGAAGCTGGCCCGTTTCCGGCAGGCCACCTCAACCCCTTCAACAAGCAGTCTGGG
CCGAGACAGCATGAGCAGGGCCCTGGGGAGGAGGTCCCGGACGTCACTCTGAAGAGGCCCTGCCTGAG
CTGCCCCCTGGGGAGCCGGAATCCGCTGCCCTGAACCGGTGATGGATCTCGGCCCTGTCTGAGGACCAC
TTCTCCCGCCCTGTGCTCGGCAGGCGATCGAGGAGTGCAAGCAGGTGATTCTGGAGCTGCCCCGAGCAG
TCGGAGAAGCAGAAGGATGCCGTGGTGCGACTCATCCACCTCCGGCTGAAGCTCCAGGAGCTGAAGGAC
CCCAATGAGGATGAGCCAAACATCCGAGTGCCTTGGAGCAGCGTTTTACAAGGAGAAGAGCAAGAGC
GTCAAGCAGACCTGTGACAAGTGTAAACACCATCATCTGGGGGCTCATTACAGACCTGGTACACCTGCACA
GGGTGTTATTACCGCTGTCACAGTAAGTCTTGAACCTCATCTCCAAGCCCTGTGTGAGCTCCAAGTCA
AGCCACCAAGCTGAATACGAACCTGAACATCTGCCCTGAGACAGGGCTGGACAGCCAGGATTACCGTGT
GCCGAGTGCCGGGCGCCCATCTCTGCGGGGTGTGCCAGTGAGGCCAGGCAGTGCAGTACACCCGGC
CAGTACTACTGCAGCCACTGCCACTGGAACGACCTGGCTGTGATCCCTGCACGCGTTGTACACAAGTGG
GACTTTGAGCCTCGAAAGGTTTCTCGTGCAGCATGCGCTACCTGGCGCTGATGGTGTCTCGGCCGTA
CTCAGGCTCCGGGAGATCAACCCCTGTGCTTTCAGCTACGTGGAGGAGCTGGTGGAGATTCGAAGCTG
CGCCAGGACATCCTGCTCATGAAGCCGTAATTCATCACCTGCAGGAGGCCATGGAGGCTCGTCTGCTG
CTGCAGCTCCAGGATCGGCAGCATTTTGTGGAGAACGACGAGATGTAATCTGTCCAGGACCTCCTGGAC
GTGCATGCCGGCCGCTGGGCTGCTCGCTACCGAGATCCACACGCTCTTCGCCAAGCACATCAAGCTG
GACTGCGAGCGGTGCCAGGCCAAGGGCTTCGTGTGTGAGCTCTGCAGAGAGGGCGACGTGCTGTTCCCG
TTCGACAGCCACAGTCTGTGTGCGCCGACTGCTCCGCGGTCTTCCACAGGGACTGCTACTACGACAAC
TCCACCACTTGTCCCAAGTGTGCCCGGCTCAGCCTGAGGAAGCAGTCGCTCTTCCAGGAGCCAGGTCCC
GATGTGGAGGCCTAG
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Restriction Sites: SgfI-RsrII
ACCN: NM_001242816
Insert Size: 1326 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).



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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_001242816.1</u>
RefSeq Size:	3632 bp
RefSeq ORF:	1326 bp
Locus ID:	54849
UniProt ID:	<u>Q6ZN54</u>
Cytogenetics:	16q24.3
MW:	51.2 kDa
Gene Summary:	<p>Positively regulates lysosome peripheral distribution and ruffled border formation in osteoclasts. Involved in bone resorption.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) has multiple differences in the 5' UTR and 5' coding region, compared to variant 1. These differences cause translation initiation at an in-frame downstream start codon, compared to variant 1. The encoded protein (isoform 3) has a shorter N-terminus, compared to isoform 1.</p>