

Product datasheet for **SC331882**

DEF8 (NM_001242819) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: DEF8 (NM_001242819) Human Untagged Clone
Tag: Tag Free
Symbol: DEF8
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331882 representing NM_001242819.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAATATGATGAGAAGCTGGCCCGTTTCCGGCAGGCCACCTCAACCCCTTCAACAAGCAGTCTGGG
CCGAGACAGCATGAGCAGGGCCCTGGGGAGGAGGTCCCGGACGTCACTCTGAAGAGGCCCTGCCTGAG
CTGCCCTGGGGAGCCGGAATCCGCTGCCCTGAACCGGTGATGGATCTCGGCCGTCTGAGGACCAC
TTCTCCCGCCCTGTGGGTCTGTTCTGGCCTCTGACGTCCAGCAGCTGCGGCAGGCGATCGAGGAGTGC
AAGCAGGTGATTCTGGAGCTGCCGAGCAGTCGGAGAAGCAGAAGGATGCCGTGGTGCCTCATCCAC
CTCCGGCTAAGCTCCAGGAGCTGAAGGACCCCAATGAGGATGAGCCAAACATCCGAGTGCCTTGAG
CACCGCTTTTACAAGGAGAAGAGCAAGAGCGTCAAGCAGACCTGTGACAAGTGTAAACACCATCATCTGG
GGGCTCATTACAGACCTGGTACACCTGCACAGGGTGTATTACCGTGTACAGTAAGTGCTGAACCTC
ATCTCAAAGCCCTGTGTGAGCTCCAAAGTCAAGCCACCAAGCTGAATACGAACTGAACATCTGCCCTGAG
ACAGGGCTGGACAGCCAGGATTACCGTGTGCCGAGTGCCGGGCGCCATCTCTGCGGGGTGTGCC
AGTGAGGCCAGGCAGTGCCTACACCGCCAGTACTACTGCAGCCACTGCCACTGGAACGACCTGGCT
GTGATCCCTGCACGCTGTACACAAGTGGGACTTTGAGCCTCGAAAGGTTTCTCGCTGCAGCATGCCG
TACCTGGCGCTGATGGTGTCTCGGCCCTACTCAGGCTCCGGGAGATCAACCCCTGCTGTTTCAAGTAC
GTGGAGGAGCTGGTGGAGATTCGCAAGCTGCGCCAGGACATCCTGCTCATGAAGCCGTACTTCATCACC
TGCAGGGAGGCCATGGAGGCTCGTCTGCTGCTGCAAGGACCTCCTGGACGTGCATGCCGGCCCTGGGC
TGCTCGCTCACCGAGATCCACACGCTCTTCGCCAAGCACATCAAGCTGGACTGCGAGCGGTGCCAGGCC
AAGGGCTTCGTGTGTGAGCTCTGCAGAGAGGGCGACGTGCTGTTCCCGTTCGACAGCCACAGTCTGTG
TGCGCCGACTGCTCCGCGTCTTCCACAGGGACTGCTACTACGACAACCTCCACCCTGTCCCAAGTGT
GCCCGCTCAGCTGAGGAAGCAGTCGCTCTTCCAGGAGCCAGGTCCCGATGTGGAGGCCTAG
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Restriction Sites: Sgfl-RsrII
ACCN: NM_001242819
Insert Size: 1305 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_001242819.1</u>
RefSeq Size:	3524 bp
RefSeq ORF:	1305 bp
Locus ID:	54849
UniProt ID:	<u>Q6ZN54</u>
Cytogenetics:	16q24.3
MW:	50.2 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 (6) has multiple differences in the 5' UTR and 3' 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 6) has shorter N and C-termini , compared to isoform 1.</p>