

## Product datasheet for **MR229964**

### Def8 (NM\_001281803) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Def8 (NM_001281803) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Def8
Synonyms:	A1449518; D8Ertd713e; DEF-8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR229964 representing NM\_001281803  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAATATGATGAGAAGCTGGTTCGGTCCGGCAGGCCACCTCAACCCCTTCAACAAGCAGCTTGGTC  
 CGAGGCATCATGAACAGGAACCCAGTGAGAAGGCACTTCTGAAGACACTTTGCCTGAGCTGCCCGCTGG  
 GGAGCCTGAATCCACTACTCGGAGCGCATGATGGATCTCGGCCTGTCTGAGGACCACTTTCCCGCCCT  
 GTGGGTCTCTTCTGGCCTCTGATGTCCAGCAGCTGCGGCAGGCCATCGAAGAATGCAAACAGGTGATCC  
 TGGAGCTGCCCGAGCAGTCAGAGAAGCAGAAGGACGCTGTGGTGC GGCTGATCCACCTCCGGCTGAAGCT  
 CCAGGAGCTGAAGGACCCCAATGAGGAGGAACCAACATCCGGGTTCTCTGGAACATCGCTTCTACAAG  
 GAGAAGAGCAAGAGCGTTAAACAGACCTGCGATAAGTGAACACCATCATCTGGGGGCTCATCCAGACCT  
 GGTACACCTGCACAGGTGTTGTTACCGCTGTACAGCAAGTGCCTGAACCTCATCTCAAACCATGTGT  
 CAGCTCCAAGGTCAGTCACCAGGCTGAGTATGAGCTGAACATCTGCCCTGAGACCGGGCTGGACAGCCAG  
 GACTACCCTGTGCGGAGTGCCGTGCTCCCATCTCTCTGAGAGGTGTGCCTAGTAGGACCGCCGAGTGTG  
 ACTACACGGGCCAATACTACTGCAGCCACTGCCACTGGAACGACCTGGCTGTATCCCGCGAGAGTGGT  
 GCACAACCTGGGACTTTGAGCCACGCAAGGTGTCCCGTTGCAGCATGCGCTACCTGGCACTGATGGTGTCT  
 CGGCCAGTGCTCCGGCTCCGGGAGATTAACCCCTTGTGTTAACTACGTGGAAGAGCTGGTGGAGATCC  
 GGAACCTGCGCCAGGACATCTGCTCATGAAGCCATACTTATCACCTGCAAGGAGGCCATGGAGGCGCG  
 ACTACTGCTGCAGCTCCAAGACAGACAGCATTTTGTGGAGAACGATGAGATGACTCTATCCAGGACCTC  
 TTGGAAGTGCACATGGGCCGCTCAGCTGCTCGCTCACTGAGATCCACACGCTCTTCGCCAAGCACATCA  
 AGTTGGACTGTGAGCGGTGCCAAGCCAAGGGTTCGTCTGTGAACCTGCAAAGAAGGGGACGCTGCTCTT  
 CCCGTTGACAGCCACAGTCTGTGTGCAATGACTGTTCCGGCTGTCTCCACAGGACTGTTACTACGAC  
 AACTCGACCACGTGCCCAAGTGTGCCCGCTCACATTGAGGAAGCAGTCACTATTCCAGGAACCTGGCC  
 TAGACATGGATGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR229964 representing NM\_001281803  
 Red=Cloning site Green=Tags(s)

MEYDEKLVRFRQAHLPFNKQLGPRHHEQEPSEKVTSEDTLPELPAGEPEFHYSERMMDLGLSEDFSRP  
 VGLFLASDVQQLRQAIIEECKQVILELPEQSEKQKDAVRLIHLRLKLQELKDPNEEPNIRVLEHRFYK  
 EKSKSVKQTCDKNTIIWGLIQTWYCTGCCYRCHSKLNLISKPCVSSKVSHQAEYELNICPETGLDSQ  
 DYRCAECRAPISLRGVPSEARQCDYTGQYYCSHCHWDLAVIPARVVHNWDFEPRKVSRCMSRYLALMVS  
 RPVLRLEINPLLFNYVEELVEIRKLRQDILLMKPYFITCKEAMEARLLLQLQDRQHFVENDEMYSIQDL  
 LEVHMGRLLSCSLTEIHTLFAKHILKDCERCQAKGFVCELCKEGDVLFPFDSHTSVCNDCSAVFHRDCYYD  
 NSTTCPKCARLTLRKQSLFQEPGLDMDA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

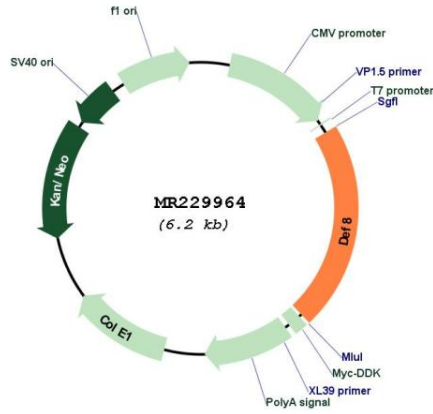


**Cytogenetics:** 8 72.1 cM

**MW:** 52.3 kDa

**Gene Summary:** Positively regulates lysosome peripheral distribution and ruffled border formation in osteoclasts (PubMed:27777970). Involved in bone resorption (PubMed:27777970). [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR229964