

Product datasheet for MR222588

Sost (NM_024449) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sost (NM_024449) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sost
Synonyms:	5430411E23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222588 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCCCTCACTAGCCCCGTGCCTCATCTGCCTACTTGTGCACGCTGCCTTCTGTGCTGTGGAGGGCC
AGGGGTGGCAAGCCTTCAGGAATGATGCCACAGAGGTATCCCAGGGCTTGGAGAGTACCCCGAGCCTCC
TCCTGAGAACAACCAGACCATGAACCGGGCGGAGAATGGAGGCAGACCTCCCACCATCCCTATGACGCC
AAAGATGTGTCCGAGTACAGCTGCCGCGAGCTGCACTACACCCGCTTCTGACAGACGGCCCATGCCGA
GCGCAAGCCGGTACCGAGTTGGTGTGCTCCGGCCAGTGGGCCCGCGCGGCTGCTGCCAACGCCAT
CGGGCGCGTGAAGTGGTGGCGCCGAACGACCGGATTTCCGCTGCATCCGGATCGCTACCGCGCGCAG
CGGGTGCAGCTGCTGTGCCCCGGGGGCGCGCGCGCGCTCGCGCAAGGTGCGTCTGGTGGCCTCGTGCA
AGTGCAAGCGCCTCACCCGCTTCCACAACAGTCGGAGCTCAAGGACTTCGGGCCGGAGACCGCGCGGCC
GCAGAAGGGTCGCAAGCCGCGGCCCGCGCCGGGGAGCCAAAGCCAACCAAGCGGAGCTGGAGAACGCC
TAC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR222588 protein sequence
Red=Cloning site Green=Tags(s)

MQPSLAPCLICLLVHA AFC AVEGQGWQAFRNDATEVIPGLGEYPEPPENNQTMNRAENGGRRPPHHPYDA
 KDVSEYSCRELHYTRFLTDGPCRS AKPVTEL VCSGQC GPARLLPNAIGRVKWWRPNGPDFRCIPDRYRAQ
 RVQLLCPGGAAPRSRKVRLVASCKCKRLTRFHNQSELKDFGPETARPQKGRKPRPGARGAKANQAELENA
 Y

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_024449

ORF Size: 636 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_024449.6](#)

RefSeq Size: 2066 bp

RefSeq ORF: 636 bp

Locus ID: 74499

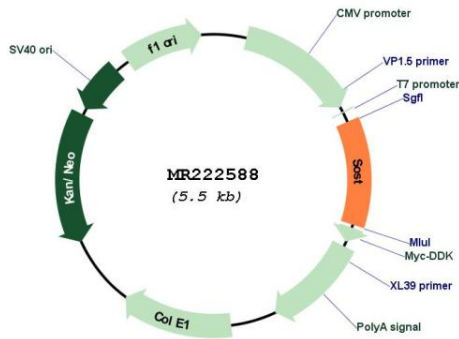
UniProt ID: [Q99P68](#)

Cytogenetics: 11 D

MW: 23.5 kDa

Gene Summary: Negative regulator of bone growth that acts through inhibition of Wnt signaling and bone formation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222588