

Product datasheet for **RC223849**

SMIM29 (NM_178508) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SMIM29 (NM_178508) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SMIM29
Synonyms: C6orf1; LBH
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC223849 representing NM_178508
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTACAGAAGAAAAAGCGGGTGGACCGGCTGCGCCATCACCTGCTCCCCATGTACAGCTATGACCCAGC
TGAGGAAGTGCATGAGGCTGAGCAGGAGCTGCTCTGACATGGGAGACCCCAAGGTGGTACATGGCTGG
CAGAGTGGCTACCAGCACAAAGCGGATGCCACTGCTGGATGTCAAGACGTGACCTGACCCCTTGCCCCAC
CCTTCAGAGCCTGGGGTCTGGACTGCCTGGGGCCCTGCCATCTGCTTCCCTGCTGTACCTGGCTCCC
CCTGCTGGGTGCTGGGTCTCCATTTCTCCCTCCACCCACCTCAGCAGCATCTGCTTCCCATGCCCTCAC
CATCACCTCACTGCCCCAGGCCTTCTGCCCTTTGTGGGTGTTGAGCTCACCGCCACCCACAGGCACTC
ATGGGAAGAGGCTTTCCTTCTGGGATGGCGGCGGCTGGTAGACACCTTTGCTTTCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC223849 representing NM_178508
Red=Cloning site Green=Tags(s)

MYRRKSGWTGCAITCSPCTAMTQLRNCMRLSRSCSLTWETPRWYMAGRVAATSTSGCHCWMSRRDLTPLPH
PSEPGVLDCLGPCHLLPLLSPGSPCWVLGLHFLHPPSAASASHALTITSLPPGLLPFVGVELTAHPQAL
MGRGFPSGMAAGRHLCLFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6102_f04.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178508

ORF Size: 477 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_178508.2](#)

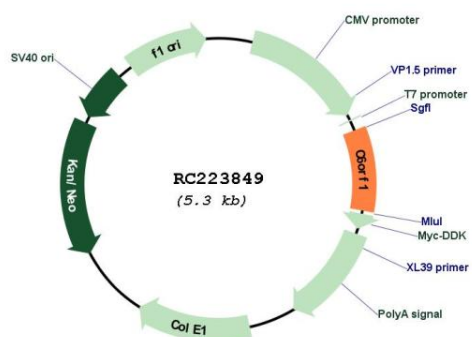
RefSeq Size: 1244 bp

RefSeq ORF: 309 bp

Locus ID: 221491

UniProt ID: Q86T20
 Cytogenetics: 6p21.31
 MW: 16.9 kDa

Product images:



Circular map for RC223849