

Product datasheet for MR212119

Pole (NM_011132) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pole (NM_011132) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pole
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212119 representing NM_011132 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCTGAGGAACAGTGGACGGAGGCACCCCGAGCCGGGCGCGGATGGCGAAGGCAGCCGGGATGATG
GTCCCTCTTCTCAGTCTCAGCACTCAAGCGTCTGGAACGGAGCCAGTGGACAGACAAGATGGACTTACG
GTTTGGTTTCGAAAGGCTGAAAGAGCCTGGAGAAAGGACTGGCTGGCTGATCAACATGCACCCTACTGAG
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GACCTACGTGGGGGCCACGTGGAGGACTAGAGTCTGGTGTCTTCAGAAGTGATATCCCCTGCCGGTTT
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Protein Sequence: >MR212119 representing NM_011132
 Red=Cloning site Green=Tags(s)

MVLRNSGRRHPEPGADGEGSRDDGPSSVSALKRLERSQWTDKMDLRFGFERLKEPGERTGWLINMHPT
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 LPLKFPDAETDQIMMISYIMDGQGYLITNREIVSEDIEDFEFTPKPEYEGPFCVFNPEPDEVHLIQRWFEH
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 SQESEGATGSLPGMITFSQDYVANELTQSF TITQKIQKVTGSRNTTEPSEMFPVLPGSHLLLNNPALE
 FIKYVCKVLSLDTNITNQNKLNRDLLRLVDVGEFSEEAQFRDPCHSYVLPVICHSCNFCRDLDLCKDS
 SFSQDGA ILPQWLC SNCPQAPYDSSAIESALVEALQRKLMFAFTLQDLVCLKCRGMKETHMPVYCSACAGDFT
 LTRTEVFMEQIRIFQNI AKYYSMSYLQETIEWLLQTSPVSN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9041_b01.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_011132

ORF Size: 6849 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_011132.2](#), [NP_035262.2](#)

RefSeq Size: 7167 bp

RefSeq ORF: 6852 bp

Locus ID: 18973

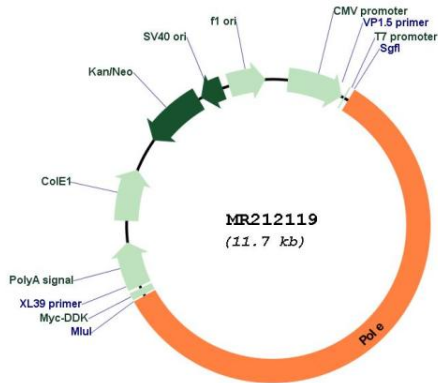
UniProt ID: [Q9WVF7](#)

Cytogenetics: 5 53.45 cM

MW: 262.5 kDa

Gene Summary: Participates in DNA repair and in chromosomal DNA replication.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR212119