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Product datasheet for MR224803

Ror1 (NM_013845) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ror1 (NM_013845) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ror1
Synonyms:	2810404D04Rik; Ntr; Ntrkr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>MR224803 representing NM_013845
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCACCGGCCGCGCCGCCGCGGGACGCGCCCGCCACCGCTGGCGCTGCTGGCCGCGCTGCTGCTGGCCG
CACGCGGGGCTGATGCCCAAGAAACAGAGTTGTCAGTCAGTGCTGAGCTGGTGCCTACCTCGTCCTGGAA
CACTTCAAGTGAAATCGACAAAGGTTCTTACTTAACCCTTGATGAGCCGATGAATAACATCACAACGTCC
CTGGGGCAGACTGCAGAACTGCACTGCAAAGTGTCTGGGAATCCACCTCCCAGTATCCGCTGGTTCAAGA
ATGATGCACCTGTGGTCCAAGAACCTCGGAGAATCTCCTTCCGGGCAACCAACTATGGCTCTCGGCTGCG
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TCATGACCGAGTGCTGGAATGAGATACCTTCCAGGAGACCACGCTTTAAAGACATCCACGTCCGGCTTCG
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AAAATAGACTCAAAACAATCGTCTTTGCTTGGGGACTCCCATATCCATGGGCACACCGAATCTATGATTT
CTGCAGAAGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>MR224803 representing NM_013845
Red=Cloning site Green=Tags(s)

MHRPRRRGTRPPPLALLAALLLAARGADAQETELSVSAELVPTSSWNTSSEIDKGSYLTLDEPMNNITTS
LGQTAELHCKVSGNPPPSIRWFKNDAPVVQEPRRISFRATNYGSRLRIRNLDTTDTGYFQCVATNGKKVV
STTGVLFVKFGPPPTASPGSSDEYEEDGFCQPYRGIACARFIGNRTVYMESLHMQGEIENQITAAFTMIG
TSSHLSDKCSQFAIPSLCHYAFPYCDETSSVPKPRDLCRDECEVLENVLCQTEYIFARSNPMILMRLKLP
NCEDLPQPESPEAANCIRIGIPMADPINKNHKCYNSTGVDYRGTVSVTKSGRQCQPWNSQYPHTHSFTAL
RFPELNGGHSYCRNPGNQKEAPWCFTLDENFKSDLCDIPACDSKDSKEKNKMEILYILVPSVAIPLAIAF
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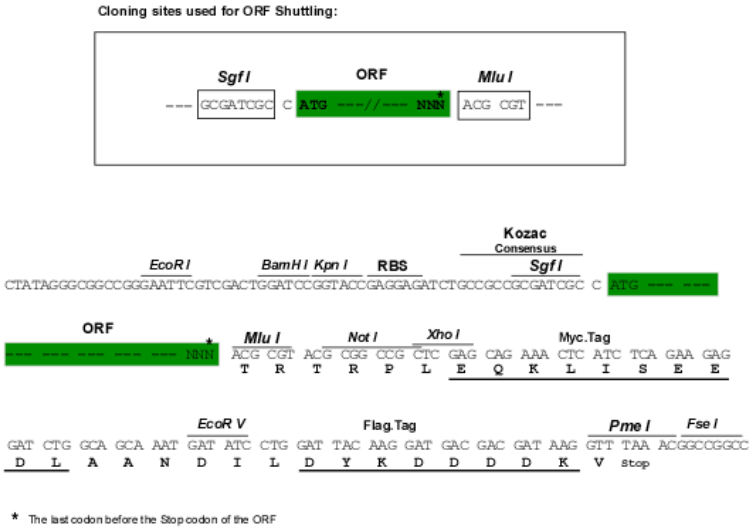
HLYLPGMDHAQLVAIKTLKDYNNPQQWTEFQQEASLMAELHHPNIVCLLGAVTQEQPVCMLFEYMNQGDL
HEFLIMRSPHSDVGCSSDEDGTVKSSLDHGDFLHIAIQIAAGMEYLSSHFFVHKDLAARNILIGEQLHVK
ISDLGLSREIYSADYYRVQSKSSLPIRWMPPEAIMYGKFSSDSDIWSFGVVLWEIFSFGLQPYYGFSNQE
VIEMVRKRQLLPCSEDCPPRMYSLMTECWNEIPSRRPRFKDIHVRLRSWEGLSSHTSSTTPSGGNATTQT
TSLSASPVSNLSNPRFPNYMFPSQGITPQGQIAGFIGPAIPQNQRFIPINGYPIPPGYAAFPAAHYQPAG
PPRVIQHCPPPKSRSPSSASGSTSTGHVASLPSSGSNQEANVPLLPHMSIPNHPGGMGITVFGNKSQKPY
KIDSKQSSLLGDSHIHGHTESMISAEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9009_d06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013845

ORF Size: 2811 bp

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OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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_013845.5
RefSeq Size:	3542 bp
RefSeq ORF:	2814 bp
Locus ID:	26563
UniProt ID:	Q9Z139
Cytogenetics:	4 45.71 cM
MW:	104.5 kDa
Gene Summary:	This gene encodes a receptor tyrosine kinase that has been implicated in nervous system development, specifically in the maintenance of neural progenitor cell fate, neurite extension and synapse formation. The encoded protein, likely a pseudokinase that lacks catalytic activity, may also regulate adipogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]

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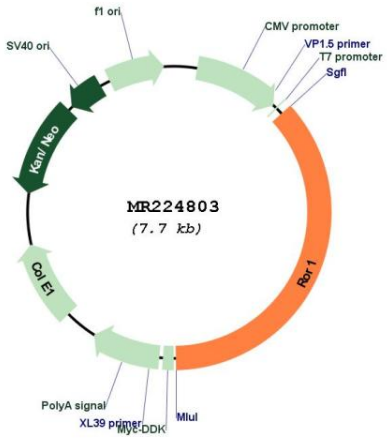
Product images:



Circular map for MR224803

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