

Product datasheet for MR228910

Rtn1 (NM_001286448) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rtn1 (NM_001286448) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rtn1
Synonyms:	Nsp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR228910 representing NM_001286448 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGCACCGCCGGATCTGCAAGATGAGCCGCTGTCTCTGGGTAGCCCCGGTCCCAGTGGTTCGGGG
GCCGGGGGGATGGGAAGACGAAGCGACGGCGGTGATGGGGGCCAGGCCAGCGCAGCAGGATGGGGAGCC
CGCCTGGGGTTCGGGCGCTGGAGCTGGGTAACGTCGTCGCGGGAACGTGCTCCGGCCCCCGCCGGTCCG
CCTCCCGTCGCCATGGAACTGCATCCACAGCTATTGACCTTCTGTACTGGCGGGACATCAAGCAGACTG
GGATTGTGTTTCGGGAGCTTCTGCTGCTGCTCTTCTCCCTGACCCAGTTCAGCGTTGTGAGCGTCGTTGC
CTACCTGGCCCTGGCCGCCCTCTCTGCCACCATCAGCTTCCGCATCTACAAGTCCGTTCTACAAGCTGTG
CAGAAAACAGATGAGGGTCACCCTTTCAAGGCCTACCTGGAGCTGGAGATCACCCGTGCCAGGAGCAGA
TCCAGAAGTACACAGACTGCCTGCAGCTGTATGTGAACAGCACTGAAGGAGCTACGGAGGCTTTTCT
GGTCCAGGACCTGGTGGATTCTTAAAAATTTGCAGTCCATGTGGCTCCTGACCTACGTTGGCGCGCTC
TTCAATGGCCTGACCCTGCTGCTTATGGCTGTGGTTTCGATGTTACTCTACCTGTTGTGTACGTTAAGC
ACCAGGCACAAGTTGACCAATATCTGGACTTGTGAGGACTCACATAAACACCCGTCGTGGCAAAGATCCA
GGCTAAAATCCCCGGCCCAAGAGGCACGCTGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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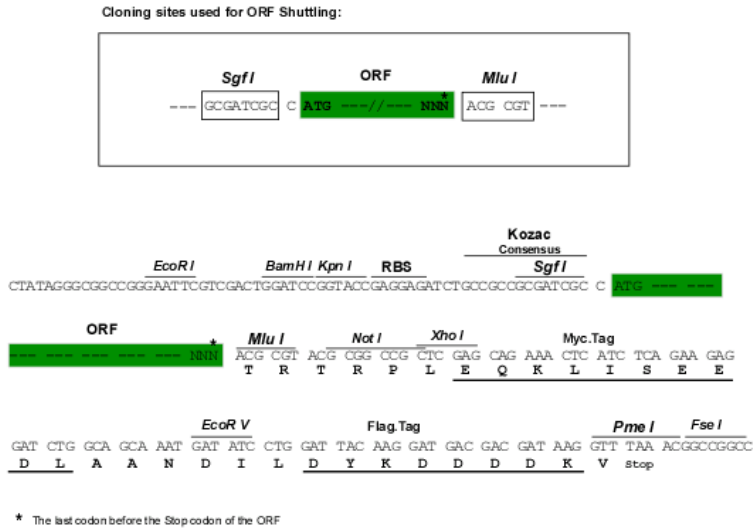
Protein Sequence: >MR228910 representing NM_001286448
Red=Cloning site Green=Tags(s)

MAAPPDLQDEPLSLGSPGSQWFGGRGDGEDEATAVMGARPAQQDGEPAWGSGAGAGVTSRELCSGPARS
 PPVAMETASTAIDLLEYWRDIKQTGIVFGSFLLLLFSLTQFSVSVVAYLALAALSATISFRYKSVLQAV
 QKTDEGHFPKAYLELEITLSQEIQKYTDCLQLYVNSTLKERLFLVQDLVDSLKFAVLMWLLTYV GAL
 FNGLTLLLMAVSMFTLPVVVYVKHQAQVDQYLGVLVRTHINTVVAKIQAKIPGAKRHA E

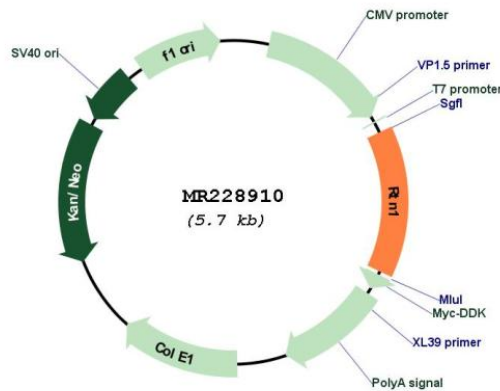
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286448
ORF Size: 804 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:	<ol style="list-style-type: none">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_001286448.1 , NP_001273377.1
RefSeq Size:	2096 bp
RefSeq ORF:	807 bp
Locus ID:	104001
UniProt ID:	Q8K0T0
Cytogenetics:	12 C3
MW:	29.6 kDa
Gene Summary:	May be involved in neuroendocrine secretion or in membrane trafficking in neuroendocrine cells.[UniProtKB/Swiss-Prot Function]