

Product datasheet for MR220062

Tgoln2 (NM_009444) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tgoln2 (NM_009444) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tgoln2
Synonyms:	TGN38B; TGN41; TGN46; Ttgn2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220062 representing NM_009444 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGTTCCAGGTTGCGTTGCTCCTGCTGAGTGTGCGGGTGGCGAGAGCTCTGCCGCCGTTTATAAGA
GAGACGCCGACTCAGGTGACTCTCAGAATCCTCCGAATCAGCCTTCCAAACAGTCTCCACTCCCCTGCC
TCCTGAGTCTTCTAACCAGGTAAGACTACAAGGCCGACCGGTGAGGGCAGAAAGTCAGATAAAAA
GACCAGGACAAGACGACTTTGGCAGCAGTTCCAGTAAGGCGGAATCTGGGCCGCCGACCGCCGACCG
ATCACAGTTTGGGTGATTCCAGAAGGCAGCCCGAGAAAACGGATGCCGAGTTGAAGGAACTGCGCGGCC
CCTCTCACCAGTCAACCCAAACTGGAAAAGTCTGATCAGAGCTCCACAGAAGATTCAGGCAAGCCACA
GGAGGTAATTCTGGCAAGCCACGGGAGGTGATTCTGGCAAGCCACAGGAGGTGATTCTGACAAGCCCA
CAGAAGCTGGTTCGAATAAGGCCACAGAAGATGATTCTGGCAAGTCCACGAAAGTTGATTGGACAAGCC
CACCTCCAAAATCTTCCAGATACGGGACTTCGAAGACTGACAAAGTCCAGCCAACTGAAAAAGGACAA
AAAGCAACACTTACTTCCAAAATGAATCTGGGAAACTGGCAGGGGACTCTGACTTCTTTAAAGC
CAGAGAAAGGAGATAAGTCTTCCAGCCTACTGAAGACGTGGAACCAAGGAGATTGAAGAGGGTGACAC
AGAGCCGGAAGAAGGCTCACCATTGAAGAAGAGAATGAAAAGGTGTCGGGCCCTTCTCCAGTGAGAAC
CAAGAGGGGACACTTACAGATTCTATGAAGAATGAGAAGGATGATCTTTATAAGGACAGTTCTGGAACA
CCAGTGACAGAGCAGCCACTTCTTGCATATCTAGTGACCGCTGCTGTTCTCGTTGCTGCTCTATAT
TGCTTACCACAACAAACGGAAGATTATTGCTTTTCTGCTGGAAGGAAAAGATCCAAAGTCACTCGGAGG
CCGAAGGCCAGTGACTACCAACGTTTGAACCTAAAGCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR220062 representing NM_009444
Red=Cloning site Green=Tags(s)

MRFQVALLLLSVAVARALPPVYKRDADSGDSQNPPNQPSKQSSTPLPPESSNQVKTRPTDGGQKSDKK
 DQDKTTAAVSSKAESGPPTAATDHSLGDSRRQPEKTDALKETARPLSPVNPKLEKSDQSTEDSGKPT
 GGNSGKPTGGDSGKPTGGDSKPTTEAGSNKATEDDSGKSTKVDLDKPTSKIFPDTETSKTDKVQPTKEGQ
 KATLTSKTESGETLAGDSDFSLKPEKGDKSSEPTEDVETKEIEEGDTEPEEGSPLEEEENEKVS GPSSSEN
 QEGTLTDSMKNEKDDLKDYSSGNTSAESSHFAYLVTA AVL VAVLYIAYHNKRKIIAFALEGKRKSVTRR
 PKASDYQRLNLKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9089_d12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009444

ORF Size: 1089 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_009444.1](#), [NP_033470.1](#)

RefSeq Size: 2265 bp

RefSeq ORF: 1092 bp

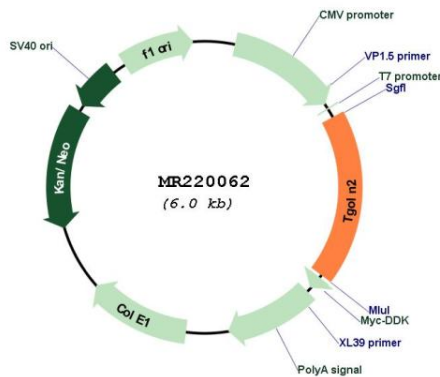
Locus ID: 22135

UniProt ID: [Q62314](#)

MW: 38.8 kDa

Gene Summary: May be involved in regulating membrane traffic to and from trans-Golgi network. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220062