

Product datasheet for MR211809L3

Tonsl (NM_183091) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Tonsl (NM_183091) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Tonsl

Synonyms: 2810439M11Rik; Nfkbil2

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

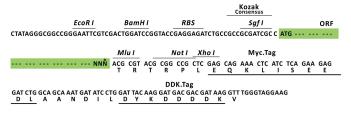
ORF Nucleotide The ORF insert of this clone is exactly the same as(MR211809).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_183091

ORF Size: 3642 bp



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Tonsl (NM_183091) Mouse Tagged Lenti ORF Clone - MR211809L3

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: <u>NM 183091.2</u>, <u>NP 898914.2</u>

 RefSeq Size:
 4239 bp

 RefSeq ORF:
 4092 bp

 Locus ID:
 72749

 UniProt ID:
 Q6NZL6

 Cytogenetics:
 15 D3

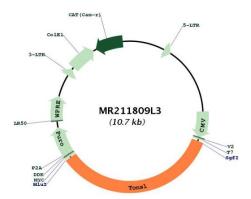
Gene Summary: Component of the MMS22L-TONSL complex, a complex that stimulates the recombination-

dependent repair of stalled or collapsed replication forks. The MMS22L-TONSL complex is required to maintain genome integrity during DNA replication by promoting homologous recombination-mediated repair of replication fork-associated double-strand breaks. It may act by mediating the assembly of RAD51 filaments on ssDNA. Within the complex, may act as

a scaffold (By similarity).[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MR211809L3