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Product datasheet for MG215976

Ttll3 (NM_133923) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Ttll3
Synonyms:	4833441J24Rik; AI450050
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG215976 representing NM_133923
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGGGTGTCAGCTCGGCGCTTCTCCTGAGCGCGGGGCAGCTGGGGCCCGGGGCCGCCTGGTACCGCC
AGGAGGGCAGCTCCGAGTGTAGCTGGCTCCGGAGGTCGCAGCCATCCGAGCTCCGCACCAATTTCTCGTC
CCGCTGGCCCTGGCCGCGCAACTCCGAGTCCCGGCGGTCTGAGAGGCTACAATGGCCTGGTCCCGCCTCC
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GCGGGTAGTGCTGAGTGGTGGGATCGGGGAAGAAGGGCACAGACAGAGGGCAGCACCCAGACCAAGCAGC
GCACCAGGGAAGGGCTTATCTTCCACAGAACCCTGTTCCAAGACAGAGACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG215976 representing NM_133923
Red=Cloning site Green=Tags(s)

MQGVSSALLLSAGQLGPGAAWYRQEGSSECSWLRRSQPSELRTNFSSRWPWPRNSESRRSERLQWPGPAS
AKPEVASCGDSRRDYSSLPARHLSSARESSMPGALGTVNPQPVRTLVPPTLDEPLPDALRPPDDSLLLWR
GLTKGPNHMGRLRNAKIHVERAVKQKKIFMIHGRYPVIRCLLRQRGWVEKKMVHPPGTALPAPQKDLDSS
MLGDSDATEDEDEEENEMFRESQLLDLDGFLEFDDLDGIHALMSRMVRNETPYLIWTTRRDVLDCRFLSK
DQMINHYARAGSFTTKVGLCLNLRNLPWFDEADADSFFPRCYRLGAEDDKKAFIEDFWLTAARNVLKLVV
KLEEKSQSISIQAREEEAPEDTQPKKQEKKLVTVSSDFVDEALSACQEHLSSIAHKDIDKDPNSPLYLSP
DDWSQFLQRYYQIVHEGAELRYLEVQVQRCEDILQQLQNVVPQLDMEGDRNIWIVKPGAKSRGRGIMCMN
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LKNLDNSVHLCNNSIQRHLEASCHRHPMLPPDNMWSSQRFQAHLQEVDAPKAWSSVIVPGMKAAVIHALQ
TSQDNVQCRKASFELYGADFVFGEDFQPWLIEINASPTMAPSTAVTARLCAGVQADTLRVVIDRRLDRSC
DTGAFELIYKQPAVEVPQYVGIRLLVEGSTIKKPVPVGHRRTGVRSSLPHLLTQQGSGESKDSGSPTHRS
ASRKNARAESLEHTEKPEPAAVASVSGKGKKAPFHFPSLHSKAWLPSPRVHRPQGRVLRLQHDQLVGSKA
LSTTGKALMTLPTAKVLMSFPPHPDLKLAPSMLKPGKVGFELCCTTWRVVLSGGIGEEGHRQRAAPRPSS
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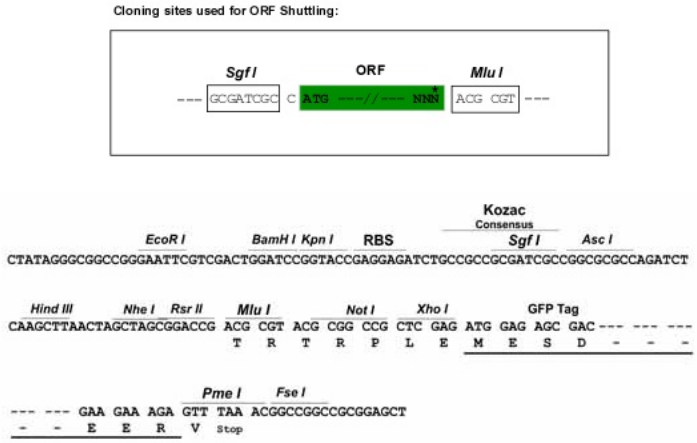
TRTRPLE - GFP Tag - V

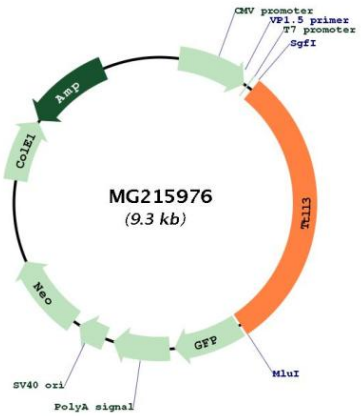
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_133923
ORF Size:	2781 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_133923.7
RefSeq Size:	3125 bp
RefSeq ORF:	2784 bp
Locus ID:	101100
UniProt ID:	A4Q9E5
Cytogenetics:	6 E3
Gene Summary:	Monoglycylase which modifies alpha- and beta-tubulin, generating side chains of glycine on the gamma-carboxyl groups of specific glutamate residues within the C-terminal tail of alpha- and beta-tubulin. Involved in the side-chain initiation step of the glycylation reaction by adding a single glycine chain to generate monoglycine side chains. Not involved in elongation step of the polyglycylation reaction.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215976