

Product datasheet for **MG215271**

Tex24 (NM_001013609) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Tex24
Synonyms:	1700108N07Rik; TESF-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215271 representing NM_001013609
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGTTCCCAAAGCCTGAATTCACCTTTCTAAAAGTCAGGAGACTTTCATTAATTTCCAGTAATGAAA
GATTACTTGGACAAACCTCTGGATTGGCCACTGGGTCGAGGTTGGTAACCCAGGAGGTTGATGACCTCAG
GGTCATCCCAGGAAGTAGACCGGATCTGGATGATCATCAGCCTCAGTGTAGCCTGGCGGAGCTGCCTAGC
ACTGCTCATGGCAAGAGGAAGCCAGGCCATCTCCACGCCTTAGAAGCAGTGTGTCAAGGGCCATGCC
CTGACCCTAATCCAAGCTTGTCTATAGTCTCCAAAAGAATCTTTAAGGGCGAATCTGTGATCAAAGGGCC
CGAGGACAGGCAGACATTTGTTGGGCCAGTGGCTTGCCAAAGATTAGCCCAAAGCAACAGCAGGGGAG
GCCAAGGGAAGAAGAGGACAATGGAGTTGCTTAAACAAGGCTCGAAAGCAAGAAGAAAAAGTCTCAAACC
TACTAGATATCAGACAGCTCCCGAAGCAAGAGGTGTTTATTAACAACACACACCCATGCAAGAAACATCT
GAAACAGCAACCAATGAGCCTTGAGGAATGGAGGAGGGCCATCTAGGGGAGACAACACAGGACTCATA
TCACAAGAACCTTTAGGTGCTGCAAACGTCTTGAAAGAAGGCACAATGTCAACTGTTGGAAGTAACTT
CCCTAGAGGCAGAAGCCAGCCTGGAGGTCCTCAAGAGGAGGAGGAGGATGCAGGCTATGGAGATGTCAA
AAAACCTCAGGACAGAGGACTCGGTCAAGAAAAAGCAGTCTTCCTAAGCAGAGAGAAAGTAAAACCATCT
TCTCATGACATGCATCTGAGCACTGCTGAAAGAAGCTTTAAACCTAAATCAATGCCAAAGGCAGAAGACT
GGGACCTCTCAGTCCAGGGAACCTCTGTAGTGCTTACAGTTCGGGACCACAGCAATGTCTCAGAGGCTCA
GAAACATTTGGGCTGTGCTGAAATATTTTCATTCCAGAGATGGGCGATGTACTTTATTGAAGAGAGGAGGA
GCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG215271 representing NM_001013609
 Red=Cloning site Green=Tags(s)

MGSQSLNSTFLKVRRLSLISSNERLLGQTSGLATGSRLVTQEVDDLRVIPGSRPDLDDHQPCSLAELPS
 TAHGKRKPGHLPRLRSSAVKGHAPDPNPSSLIVSKRIFKGESVIKGPEDRQTFVGPSPGPKISPKATAGE
 AQGKKRTMELLNKARKQEEKVSNLLDIRQLPKQEVFINNTHPCKKHLKQQPMSLEEWRRGHGGDNTGLI
 SQEPFRCKRLGKKAQCQLLEVTSLAEASLEVLKRRRRMQAMEMSKKPQDRGLGQEKAVFLSREKVKPS
 SHDMHLSTAERSFKPKSMPKAEDWDLVQGTTPVVLTVRDHSNVSQAKHLGCAEIFHSRDGRCTLLKRGGA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001013609

ORF Size: 1053 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_001013609.2](#), [NP_001013627.1](#)

RefSeq Size: 1767 bp

RefSeq ORF: 1056 bp

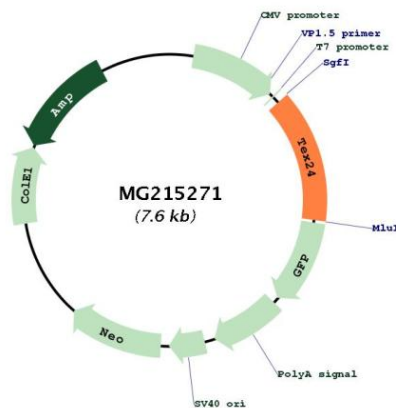
Locus ID: 541463

UniProt ID: [Q5DP50](#)

Cytogenetics: 8 A2

Gene Summary: Nuclear factor which might have a role in spermatogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215271