

Product datasheet for **RG206652**

TEX45 (NM_198534) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TEX45 (NM_198534) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TEX45
Synonyms:	C19orf45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206652 representing NM_198534
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCCACAGGCGCCCTCCTGCCGTGCTCGCGCCCGTGCCCGATGTCCCGGCTGGACTTCCTCAAGGCCT
 CGCACTTCTCGCTGGGGCTGACCTGCGGCTGCACGAGGGCACCATGCGCACCACGTGCGACCGGGACTT
 TGCTACCCGGCTGCCACCCGGAGCGCGGAGCTGCAGCCGCCGCCGCGCTGCTTTTCCCAATGGAC
 CCGCGCTGGGACCGGAAGAGCGCGTGTGCGAGGCGCACCGCGCTTCCCGCCGCATCCACGCCCGCT
 GGGAGCTGCTGCAAGCGCAGGCGCGGAACGCACGCTCGCCATGCAGGCCGGCAACCTGCACCTGCACGA
 GGACGCGCACGCCGGATCGGCCTCTCCAACGCGCACGCCGCTACGGCTGGCCCGAGCTGCCGGCGCGC
 ACCCGAGAGCGGATCCGCGGCGCGCCTCATCTTCGACCGCGACTCCCTGCCTCCTGGCGACCGCGACA
 AGTTGCGCATCCCGCCACCACGCACAGGCGCTCTTCCACCCACGACGCGCGCCCGCAGCCTCGCGC
 GCCAGTTGCCACCTCGGGGGCCCAACACCTCAAGTGGGACTACACGAGACAAGATGGGACTTCTTAC
 CAAAGACAGTTCCAGGCCCTGCCAGGCCACCTGCCTTGAGGTGTAAGAGGGCTCCTCCGAGTGGAGC
 TGGGAGACTGCAAGATCAGCTATGGATCAACGTGTTTCGAGCAGAAACAGGCCTACAGGCCCCAGGATCT
 GCCTGAAGATAGGTATGACAAGGCCAGGCCACAGCCACATCCACTGTGTAATATCCGTCTGGTGAC
 GGCTCTTCCGCGACAGGACCACCAAGGCCGAGCACTTCTATGCCAGGGAGCCAGAGCCTTTTGTCTTC
 ACCACGATCAGACTCCGAGTCGCACATCTGAAAGGAAATTGGTGCCCGGCCCGGCAGTCTGGACAC
 CTTTCATGCAGTACTTCTACGCCAGCGCCACCCCGACCCAGCCACCCAGCCGCCACGTGCCTCATGAG
 AAATTGCAGAGTCATGTGACCTAGGGGAGCCAAAGCTACTCAAACGCTTCTTCAAGACCACCATGGCT
 CGGACTACTGCCCTTTCAGAGTGGAGACAGTGCAGAAAGCGCCCAACCTCACTTGCAGCAAAGTACCT
 GCCGCGGGGCACGGGCGAATTCGATTTTTTAACCATGAACAGAAAGATGCTGAAGCCACACAGAACACCT
 CCGGCCCGGTGACTGAAGAGATGCTACAGCGGTGCAAGTACAGCCACATGGAGCCCCCTCTGGGTGGAC
 TGCGCTTCTTCTCAACACAATAAAGGACGAGTTTCTTTCAAGTACCAGGGCCAGCAGCCTGAGACT
 GAAAAATCCTCAGGAGGGCTTCGTGCCCTGGGCACGCTCACCAGCGCGGTGCAGGGAGAAGATAGAC
 CCTCTGGTCCCCAGCCCCCTATGTACCTGTGCCCAGCCAGCAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

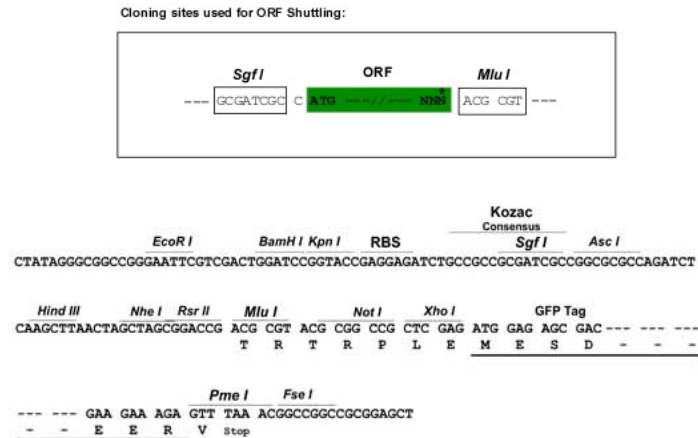
>RG206652 representing NM_198534
 Red=Cloning site Green=Tags(s)

MATGALLPCSRPCMSRLDFLKASHFSLGPDRLHEGTMRTTSHRDFAYPAATREPPSLQPPALLFPMD
 PRWDREERVSEAHRAFPSTPPWELLQAQARERTLAMQAGNLHLHEDAHAGIGLSNAHAAYGWPELPA
 TRERIRGARLIFDRDSLPPGDRDKLRIPPTTHQALFPPHDARPPRAPSCHLGGPNTLKWDYTRQDGT
 SYQRQFQALPGPPALRCKRASSGVELGDCKISYGSTCSEQKQAYRPQDLPEDRYDKAQATAHIHCVNIR
 PGDGLFRDRTTKAEHFYAREPEPFVLHHDQTPESHILKGNWCPGPGSLDTFMQYFYGQPPPTQPPSR
 HVPHEKLQSHVTLGEPKLLKRFFKTTMGSDYCPSEWRQVQKAPNLHLQQSYLPRGTGEFDFLT
 MNQKMLKPHRTPAPVTEEMLRCKYSHMEPPLGGLRFFSTQYKDEFPFKYQGPAAALRLKNPQEGFV
 PLGTPHQRGCREKIDPLVPQPPMYLCPSQQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_198534

ORF Size: 1515 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_198534.3](#)

RefSeq Size: 1709 bp

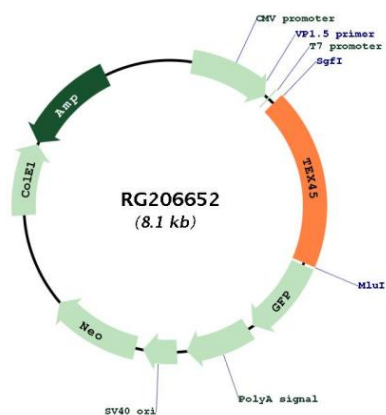
RefSeq ORF: 1518 bp

Locus ID: 374877

UniProt ID: [Q8NA69](#)

Cytogenetics: 19p13.2

Product images:



Circular map for RG206652