

Product datasheet for **MG225783**

Tcf3 (NM_001164150) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcf3 (NM_001164150) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tcf3
Synonyms:	A1; AA408400; ALF2; AW209082; bHLHb21; E2A; E12; E12/E47; E47; KA1; ME2; Pan1; Pan2; TCF-3; Tcfe2a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG225783 representing NM_001164150
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGAACCACTCTCAGAGAATGGCACCCGTGGGCTCTGACAAGAACTGAGTGACCTCCTGGACTTCA
 GCATGATGTTCCCGCTACCTGTGGCCAATGGGAAGAGCCGGCCCGCTCCCTCGGGGAACCCAGTTTGC
 AGGCTCAGGACTGGAGGACCGACCCAGCTCAGGCTCCTGGGGCAGCAGTGACCAGAACAGTTCTTCTTT
 GACCTAGCCGGACATACAGCGAAGGTGCCACTTCAGTGACTCCACAGCAGCCTGCCGCTTCCACGT
 TCCTAGGAGCTGGGCTTGGAGGCAAGGGCAGTGAGCGAATGCCTATGCCACCTTTGGGAGAGACCCAG
 TGTTGGCACCTTGAGTCAGGCTGGCTTCTGCCAGGTGAGCTGAGCCTCAGCAGTCCCGGCCACTGTCC
 CCATCGGGCATCAAGAGCAGCTCCAGTATTACCCCTCATTCCCAGCAACCCTCGTCGGAGAGCTGCAG
 ATGGTGGCTGGATACTCAGCCGAAGAAGTCCGAAGGTTCCGCCTGGTCTCCCTTCTCGGTGTATCC
 GCCAGCTCAGGTGACAGCTACAGCAGGATGCTGCAGCCTACCCCTCCGCCAAGACCCAGCAGCGCT
 TACCCCTCCCTTCTAGTGGCAGATGGCAGCCTGCACCATCAGCTGAGCTCTGGAGTACGCCTAGCC
 AGGTGGGCTTTGGGCCATGCTAGGTGACGGCTTCCCTCTGCCCTTGCACCGGGCAGCAGCTCCGT
 GGGCAGTGGTACCTTTGGGGCCTCCAGCAGCAGGATCGCATGGGCTACCAGCTGCATGGATCTGAGGT
 AATGGCTCGTCCAGCTGTATCCAGCTTTTCGGCTGCCCTGGCACTTACAGTGGGACTTCCGGCCACA
 CGCCCCGTGTGAGTGGGGCCGAGCTGAAAGCCTCCTAGGCACCCGAGGGACTACAGCCAGCAGCTCAGG
 GGATGCCCTTGGGAAGGCACTGGCTCGATCTACTCCCGGATCACTCCAGCAATAATTTCTCACCTAGC
 CCCTCAACGCCTGTGGGTTACCCAGGGCTGCCAGGGACATCAGTGGCCCCGGGCAGGAGCGCCCA
 GTGCCCTATCCCCAACTACGATGCAGGTCTCCATGGCTGAGCAAGATGGAGGACCGCTTGGACGAGG
 CATCCATGTCCTGCGAAGCCACGCTGTTGGCACCGCTAGCGATCTCCATGGGCTTTTGCCTGGCCATGGC
 GCACTGACCACGAGCTTACCCGGCCCATGCTACTGGGCGGGCGCATGCCGGCTGGTCCGGGGGAAGCC
 ATCCTGAGGAGGGCTCACAAGTGGGGCAGTCTTTTGCATAACCATGCCAGCCTCCCAGCCAGCCAG
 TTCCCTCCCTGACCTCTCACAGAGACCTCCCGACTCCTATAGTGGACTCGGGAGGGCAGGCACAACAGCG
 GGTGCCAGCGAGATCAAGCGGGAGGAGAAAGAGGATGAGGAAATCGCATCAGTAGCCGACCCGAAGAGG
 ACAAGAAGGACCTGAAGGTCCCACGCACGCGCACCAGCAGTACAGATGAGGTGCTGTCCCTGGAGGAGAA
 GGACCTGAGGGACCGGGAGAGGCGTATGGCCAATAACGCTCGGGAGCGGGTGCCTGCGGGACATTAAC
 GAGGCCTTCCGGGAGCTGGGCCGATGTCCAGCTGCACCTCAAGTCGGATAAGGCGCAGACCAAGCTGC
 TCATCCTCGAGCAGGCGGTGCAGGTTCCTGGGCTGGAGCAGCAGGTGCGAGAACGCAACCTGAACCC
 CAAAGCAGCCTGCTTGAAGCGGAGGGAGGAGGAGAAGGTGCTGGCGTGGTCCGGGACCCACAGTGCC
 CTGTACGCCGCCACCCGGGCTGGGTGAGGCCACAACCCAGCCGGGCACCTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG225783 representing NM_001164150
 Red=Cloning site Green=Tags(s)

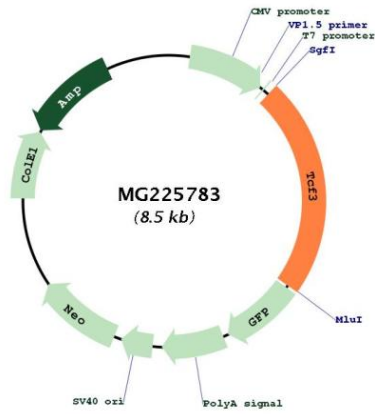
MMNQSQRMAPVGSDELSDLLDFSMFPLPVANGKSRPASLGGTQFAGSGLEDRPSSGWSGSSDQNSSSF
 DPSRTYSEGAHFSHSSLPPSTFLGAGLGGKGSERNAYATFGRDTSVGTLSQAGFLPGELSLSSPGPLS
 PSGIKSSQYYPSPNRRRAADGGLDTQPKVVRKVPPLPSSVYPPSSGDSYSDAAA YPSAKTPSSA
 YSPFYVADGSLHPSAELWSTPSQVGFPM LGDSSPLPLAPGSSSVGSGTFGGLQQQDRMGYQLHGSEV
 NGLSPAVSSFSAPGTYSGTSGHTPPVSGAAAESLLGTRGTTASSSGDALGKALASIYSPDHSSNNFSPS
 PSTPVGSPQGLPGTSQWPRAGAPSALSPNYDAGLHGLSKMEDRLDEAIHVL RSHAVGTASDLHGLPGHG
 ALTTSFTGPMSLGGRHAGLVGGSHPEEGLTSGASLLHNHASLPSQPSLPDL SQRPPDSYSLGRAGTTA
 GASEIKREEKEDEEIASVADAEDKDLKVPRTSSTDEVLSLEEKDLRDRERRMANNARERVRVDIN
 EAFRELGRMCQLHLKSDKAQTLLILQQAVQVILGLEQQVRERNLNPKAACLKRREEEKVSGVVGDPQLP
 LSAHPGLGEAHPAGHL

TRTRPLE – GFP Tag – V

Gene Summary:

Transcriptional regulator. Involved in the initiation of neuronal differentiation. Heterodimers between TCF3 and tissue-specific basic helix-loop-helix (bHLH) proteins play major roles in determining tissue-specific cell fate during embryogenesis, like muscle or early B-cell differentiation. Dimers bind DNA on E-box motifs: 5'-CANNTG-3'. Binds to the kappa-E2 site in the kappa immunoglobulin gene enhancer. Binds to IEB1 and IEB2, which are short DNA sequences in the insulin gene transcription control region.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG225783