

Product datasheet for **RG205739**

TLX3 (NM_021025) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TLX3
Synonyms:	HOX11L2; RNX
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205739 representing NM_021025
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGCGCCCGCAGCGCGCAGACCCCGCACCCGCACGAGCCCATCAGCTTCGGCATCGACCAGATCC
TTAACAGCCCGGACCAGGACAGCGCACCCGCCCCGCGGGGCCCGACGGCGCCAGCTACCTGGGAGGGCC
CCCCGGGGGCGGTCCGGGCGCCACATACCCGCTCTGCCCCGCTCCTTTGCGGGCCTCGGCGCGCCCTTC
GAGGACGCGGGATCTTACAGTGTGAACCTGAGCCTAGCGCCCGCAGGCGTGATCCGGGTGCCGCGCACA
GGCCGCTGCCCGGGGCGGTGCCACCGCCTTGCCAAGCGCGCTACCCGCCATGCCCTCCGTGCCACGGT
CTCCAGCCTTGGCGGTCTCAATTTCCCTGGATGGAGAGCAGCCGCGCTTCGTGAAAGACCGCTTCACA
GCGGCGGCCGCACTCACGCCCTTACCCTGACCCGGCGCATCGGCCACCCCTACCAGAACCGGACGCCGC
CCAAGCGTAAGAAGCCGCGCACGTCTTTCCCGGTGCAGATCTGCGAGCTGAAAAAGCGCTTCCATCG
CCAGAAGTACCTGGCCTCTGCCGAGAGGGCGCGCTCGCCAAGTCCCTCAAAATGACGGACGCGCAGGTC
AAGACCTGTTCCAAAACCGGAGGACCAAGTGGCGGCGGCAGACGGCGGAGGAGCGGGAGCGGAGCGGC
AGCAGGCGAGCCGGCTCATGCTGCAGCTGCAACACGACGCCTTCCAAAAGACCTCAACGACTCCATCCA
GCCTGACCCGCTGTCTGCACAACCTGCTACTCTTTGCTCTGCAGAATCTGCAGCCCTGGGAGGAGGAT
AGTTCCAAGGTTCCCGCTGTACCTCCCTGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG205739 representing NM_021025
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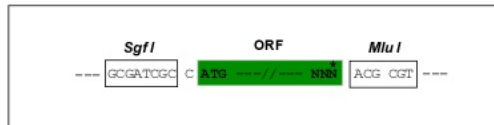
MEAPASAQTPHPHEPISFGIDQILNSPDQDSAPAPRGPDGASYLGPPGGRPGATYPSLPASFAGLGAPF
EDAGSYSVNLSLAPAGVIRVPAHRPLPGAVPPPLPSALPAMPSVPTVSSLGGLNFPWMESSRRFVKDRFT
AAAALTPFTVTRRIGHYPYQNRTPPKRKKPRTSFSRVQICELEKRFHRQKYLASAERAALAKSLKMTDAQV
KTFWFQNRRTKWRRTAEEREAEERQQASRLMLQLQHDAFQKSLNDSIQPDPLCLHNSSLFALQNLQPWEED
SSKVPVAVTSLV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGCCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGTACTAGTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCCGGCCGCGGAGCT

PmeI FseI

- - E E R V Stop

ACCN: NM_021025

ORF Size: 873 bp

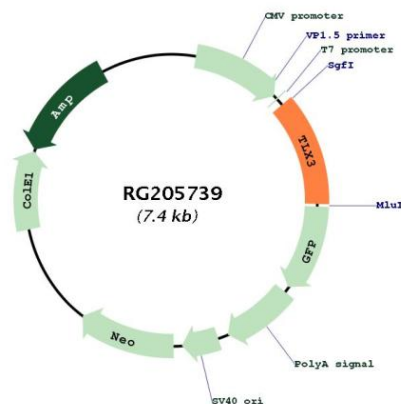
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_021025.4</u>
RefSeq Size:	1513 bp
RefSeq ORF:	876 bp
Locus ID:	30012
UniProt ID:	<u>O43711</u>
Cytogenetics:	5q35.1
Protein Families:	Transcription Factors
Gene Summary:	The protein encoded by this gene is an orphan homeobox protein that encodes a DNA-binding nuclear transcription factor. A translocation [t(5;14)(q35;q32)] involving this gene is associated with T-cell acute lymphoblastic leukemia (T-ALL) in children and young adults. [provided by RefSeq, Nov 2015]

Product images:



Circular map for RG205739