

Product datasheet for **RG224215**

HOX11 (TLX1) (NM_005521) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	HOX11
Synonyms:	HOX11; TCL3
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG224215 representing NM_005521
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCACCTGGGTCCGCACACCTCCACCCGGGTACGCAGAGCCCATTAGCTTCGGCATCGACCAGA
TCCTCAACAGCCCGGACCAAGGTGGCTGCATGGGACCCGCCTCGCGCCTCCAGGACGAGAATACGGCCT
TGGTGCTTGGTCGGAGGCGCCTACACTTACGGCGCGGGGGCTCCGCGCCGCGACGGGGCTGGAGGA
GCGGGGGCTATGGTACTGGAGGTCCCGCGGCCCGGAGGCCGCGAGCGCGCGCGCGCTGCAGCA
TGGGTCTCTGACCGGCTCCTACAACGTGAACATGGCCTTGGCAGGCGGCCCGGTCTGGCGGCGCGCG
CGGCAGCAGCGCGGTGCCGGGGCACTCAGCGCTGCGGGGTAATCCGGGTGCCGGCACACAGGCCGCTC
GCCGGAGCTGTGGCCACCCCGAGCCCTGGCCACCGGCTTGGCCACCGTGCCCTCTGTGCTGCCATGC
CGGGCGTCAACAACCTCACTGGCCTCACCTTCCCCTGGATGGAGAGTAACCGCAGATACACAAGGACAG
GTTACAGGTCAACCTATCAGAACCGGACGCCCCCAAGAAGAAGAAGCCGCGCACGTCTTACACGC
CTGCAGATCTGCGAGCTGGAGAAGCGCTTCCACCGCCAGAAGTACCTGGCCTCGGCCGAGCGCGCGCCC
TGGCCAAGGCGCTCAAAATGACCGATGCGCAGGTCAAAACCTGGTTCAGAACCAGCGGACAAAGTGGAG
ACGGCAGAGTGGGAGGAACGGGAGGCCGAGAGGCAGCAAGCGAACCGCATCCTCTGCAGTTGCAGCAG
GAGGCCCTCCAGAAGAGCCTGGCACAGCCGCTGCCCGCTGACCTCTGTGCGTGCACAACTCGTCGCTCT
TCGCCCTGCAGAACTGCGAGCCGTGGTCTGACGACTCGACCAAAATCACTAGCGTCACGTGGTGGCGTC
GGCCTGCGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



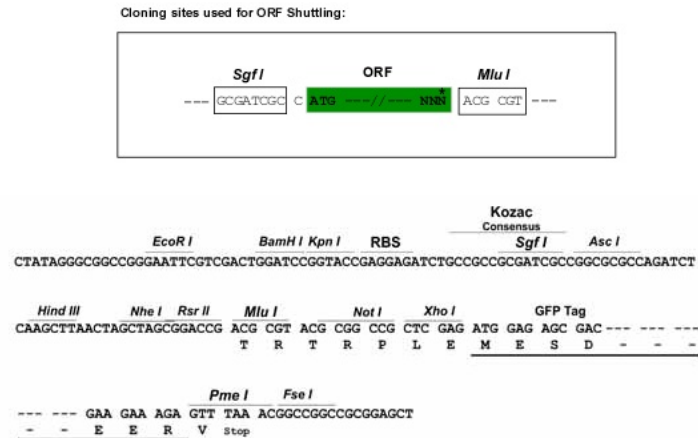
Protein Sequence: >RG224215 representing NM_005521
 Red=Cloning site Green=Tags(s)

MEHLGPHHLHPGHAEPISFGIDQILNSPDQGGCMGPASRLQDGEYGLGCLVGGAYTYGGGSAATGAGG
 AGAYGTGGPGGPGGAGGGGACSMGPLTGSYNVNMLAGGPGGGGGSSGGAGALSAAGVIRVPAHRPL
 AGAVHPQPLATGLPTVPSVPAMPGVNLTGLTFPWMESENRRYTKDRFTGHPYQNRTPPKKKKPRTSFTR
 LQICELEKRFHRQKYLASAERAALAKALKMTDAQVKTWFQNRRTKWRRQTAEEEREAERQQANRILLQLQQ
 EAFQKSLAQPLPADPLCVHNSLFAQLNLQPWSDSTKITSVTSVASACE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005521

ORF Size: 990 bp

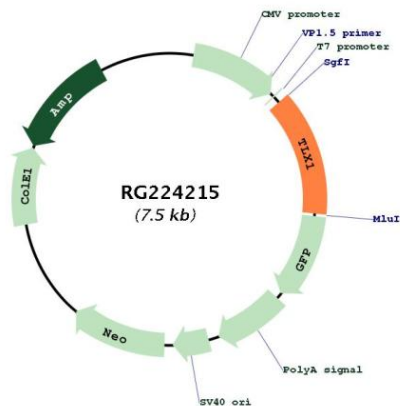
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_005521.2</u> , <u>NP_005512.1</u>
RefSeq Size:	2898 bp
RefSeq ORF:	993 bp
Locus ID:	3195
UniProt ID:	<u>P31314</u>
Cytogenetics:	10q24.31
Domains:	homeobox
Gene Summary:	This gene encodes a nuclear transcription factor that belongs to the NK-linked or NK-like (NKL) subfamily of homeobox genes. The encoded protein is required for normal development of the spleen during embryogenesis. This protein is also involved in specification of neuronal cell fates. Ectopic expression of this gene due to chromosomal translocations is associated with certain T-cell acute lymphoblastic leukemias. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2010]

Product images:



Circular map for RG224215