

Product datasheet for **RG203551**

HLX1 (HLX) (NM_021958) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HLX1 (HLX) (NM_021958) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HLX1
Synonyms:	HB24; HLX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG203551 representing NM_021958
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTTCGACGCCGGCTGGCTCCCTTCTACGCCTCCAACCTCAGCCTCTGGTCGGCCGCTTACTGCTCCT
 CGGCCGGCCAGGCGGCTGCTCCTTCCCCTTGGACCCCGCCGCTCAAAAAGCCCTCCTTCTGCATCGC
 AGACATTTCTGCACGCGCGTGGGGATCTGGGGCGGCCCGGAGGGCCTGGCAGGGCCCTCGGCCGC
 GCCCTCACCGCGCACTTGGGCTCGGTTACCCGCACGCCTCTTCCAAGCGGCGGCCAGATCCCCGCTT
 GACCCACCCAGTGGTGGCGCCCTCCGAAGTCCCAGGCTGGCTTCCCGCAGCGGCTGTCTCCGCTCTCAGC
 CGCCTACCACCACCATCACCCGCAACAACAACAGCAGCAGCAACAGCCGAGCAGCAACAGCCTCCGCT
 CCGCCCGGGCTGGCGCCTGCAGCCCCGGCCTCGGGACGCGAGTGGTCCGAACCCACCACAGT
 GCTCTGCCCGGCCCTCCAGCAAAGACTCAAATTTGGAATTGACCGATTTTATCTGCAGAATTTGA
 CCCAAAAGTCAAAGAAGCAACAGCTGAGAGATCTCACTTCCCTGCTAACCGGTGGGCGGCCCGCGGG
 GTGCACCTCTCAGGCCTGCAGCCCTCGGCCGGCAGTTCTTCGCATCTCTAGATCCCATTAACGAGGCTT
 CTGCAATCCTGAGTCCCTTAAACTCGAACCCAAGAAATTCAGTTCAGCATCAGTTCGAAGACACGTTTCC
 AGGTCCCTATGCTGTGCTCACGAAGACACCATGCCCGCAGACGTACAAAAGGAAGCGTTCATGGTCGCGC
 GCTGTGTTCTCCAACCTGCAGAGGAAAGCCCTGGAGAAAAGGTTTGGATTTCAGAAGTACGTGACCAAGC
 CGGACCGAAAGCAGTGGCGCGGATGCTGGGCCTCACGGACGCACAGGTGAAGGTGTGGTCCAGAACC
 GCGGATGAAGTGGCGGCACTCCAAGGAGGCCAGGCCAAAAGGACAAGGACAAGGAGGCTGGCGAGAAG
 CCATCAGGTGGAGCCCCGGCTGCGGATGGCGAGCAGGACGAGAGGAGCCCCAGCCGTTCTGAAGGCGAGG
 CTGAGAGCGAGAGCAGCGACTCCGAGTCCCTGGACATGGCCCCAGCGACAGGAGCGGACTGAGGGGAG
 TGAGCGTTCTCTGCACCAACAACAGTTATTAAGGCCCGGTCACTGGCGCCCTCATTACCGCCAGCAGT
 GCTGGGAGTGGTGGGAGCAGCGCGCGCGGCAATAGTTTCAGCTTTCAGCAGCGCCAGCAGTCTTAGTA
 GCAGCAGCACCAGTGGGGTTGCGCCAGCAGCCTTGGCGCGCGGCGCCTCGGAGCTTCTCCCTGCAAC
 ACAGCCACAGCCAGCAGCGCTCCAAAAGCCCCAGCCAGCCAAAGGCGCGCTTGGCTGCTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG203551 representing NM_021958
 Red=Cloning site Green=Tags(s)

MFAAGLAPFYASNFLWSAAYCSSAGPGGCSFPLDPAAVKKPSFCIADILHAGVGD LGAAPEGLAGASAA
 ALTAHLGSVPHASFQAAARSPLRPTPVVAPSEVPAGFPQRLSPLSAAYHHHPQQQQQQPQQQPPP
 PPRAGALQPPASGTRVVPNPHHSGSAPAPSSKDLKFGIDRILSAEFDPKVKEGNTLRDLTSLLTGGRPAG
 VHL SGLQPSAGQFFASLDPINEASAIL SPLNSNPRNSVQHQQFQDTFPGPYAVLTKDTPQTYKRKRSWSR
 AVFSNLQRKLEKRFEIQKYVTKPDRKQLAAMLGLTDAQVKVWFQNRMRKWRHSKEAQAQKDKDKEAGEK
 PSGGAPAADGEQDERSPSRSEGEAESESSDSESLDMAPSDTERTEGSESLHQTTVIKAPVTGALITASS
 AGSGGSSGGGNSFSFSSASSLSSSSTSAGCASSLGGGASELLPATQPTASSAPKSPEPAQALGCL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_021958

ORF Size: 1464 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_021958.4](#)

RefSeq Size: 2308 bp

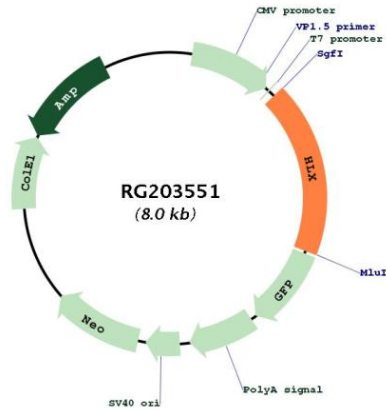
RefSeq ORF: 1467 bp

Locus ID: 3142

UniProt ID: [Q14774](#)

Cytogenetics: 1q41
Domains: homeobox
Protein Families: Transcription Factors
Gene Summary: Transcription factor required for TBX21/T-bet-dependent maturation of Th1 cells as well as maintenance of Th1-specific gene expression. Involved in embryogenesis and hematopoiesis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203551