

Product datasheet for **RG206297**

HLF (NM_002126) Human Tagged ORF Clone

Product data:

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

ORF Nucleotide Sequence: >RG206297 representing NM_002126
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGAGAAATGTCCGACCGCTCCCCCTGAATCCACCTTTATCCCGCTCCCTACGGCTGCTCAGGT
CCCTGCTGGAGAACCGCTGAAGCTCCCCCTTACCACGAAGACGATTTAGTAAAGATAAAGACAAGGA
AAAGAAGCTGGATGATGAGAGTAACAGCCGACGGTCCCCAGTCGGCATTCTGGGGCTACCTTATGG
GACAAAACCTTCCTATGACGGAGATACTTCCAGTTGGAATACATGGACCTGGAGGAGTTTTTGTGAG
AAAATGGCATTCCCCCAGCCCATCTCAGCATGACCACAGCCCTCACCTCCTGGGCTGCAGCCAGCTTC
CTCGGCTGCCCCCTCGGTCATGGACCTCAGCAGCCGGGCTCTGCACCCCTTACCCTGGCATCCCATCT
CCGAAGTGTATGCAGAGCCCCATCAGACCAGGTCACTGTTGCCAGCAAACCGCAATACACCAAGTCCCA
TTGATCCTGACACCATCCAGGTCCCAGTGGTTATGAGCCAGACCCAGCAGATCTTGCCCTTTCCAGCAT
CCCTGGCCAGGAAATGTTGACCTCGCAAACGCAAGTTCTCTGAGGAAGAACTGAAGCCACAGCCCATG
ATCAAGAAAGCTCGAAAGTCTTCATCCCTGATGACCTGAAGGATGACAAGTACTGGCAAGGCGCAGAA
AGAACAACATGGCAGCCAAGCGCTCCCGCAGCGCCGAGGCTGAAAGAGAACCAGATCGCCATCCGGGC
CTCGTTCTTGAGAGAAGGAGAACTCGGCCCTCCGCCAGGAGGTGGCTGACTTGAGGAAGGAGCTGGGCAAA
TGCAAGAACATACTTGCCAAGTATGAGGCCAGGCACGGGCCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG206297 representing NM_002126
Red=Cloning site Green=Tags(s)

MEKMSRPLPLNPTFIPPPYGVLRSLLENPLKLPLHHEDAFSKDKDKEKKLDDESNSTVPQSAFLGPTLW
DKTLPYDGDTFQLEYMDLEEFLENGIPSPSQHDHSPHPPGLQPASSAAPSMDLSSRASAPLHPGIPS
PNCMQSPIRPGQLLPANRNTSPIDPDTIQVPVGYEPDADLALSSIPGQEMFDPRKRKFSEEELKPQPM
IKKARKVFIPDDLKDDKYWARRRKNNMAAKRSRDARRLKENQIAIRASFLEKENSALRQEVADLRKELGK
CKNILAKYEARGHPL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_002126

ORF Size: 885 bp

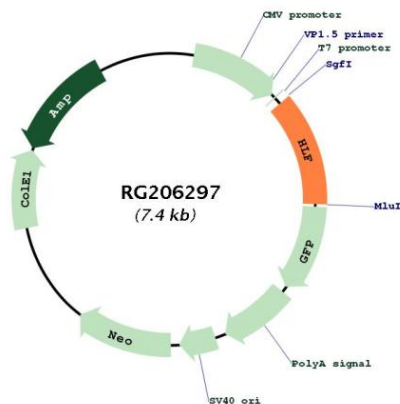
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_002126.5</u>
RefSeq Size:	5607 bp
RefSeq ORF:	888 bp
Locus ID:	3131
UniProt ID:	<u>Q16534</u>
Cytogenetics:	17q22
Domains:	BRLZ
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a member of the proline and acidic-rich (PAR) protein family, a subset of the bZIP transcription factors. The encoded protein forms homodimers or heterodimers with other PAR family members and binds sequence-specific promoter elements to activate transcription. Chromosomal translocations fusing portions of this gene with the E2A gene cause a subset of childhood B-lineage acute lymphoid leukemias. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG206297