

Product datasheet for **MG204073**

Hlf (NM_172563) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hlf (NM_172563) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hlf
Synonyms:	E230015K02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204073 representing NM_172563 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAAATGTCCCGACAGCTCCCCTTGAACCCACCTTTATCCCGCCTCCCTACGGCGTGCTCAGGT
CCCTGCTGGAGAACCCGCTGAAGCTCCCCCTTCATCCTGAAGACGCATTTAGTAAAGAAAAGACAAAGG
AAAGAAGCTGGACGATGAGAGCAGCAGCCCGACCGTCCCCAGTCCGCCTTCTGGGACCCACCTTATGG
GACAAAACCTTCCCTATGACGGAGATACTTTCCAGCTGGAATACATGGACTTGGAGGAATTCCTGTCAG
AGAATGGCATCCCCCGAGTCCGTCGCAGCAGCACACCAGCCCTCACCCCTGGCTTGCAACCAGCTTC
CTCCACGGCGCCCTCGGTTCATGGATCTCAGCAGCCGGGCCACAGCGCCCTCCACCCGGGCATCCCGTCT
CCGAACCTGTATGCAGAGCCCATCAGACCAGGCCAGCTGTTGCCAGCAAACCGCAATACACCGAGTCCCA
TTGACCCCTGACACCATCCAGGTACCAGTCGGGTATGAACCAGACCCGGCAGACCTTGCCCTCTCCAGCAT
CCCGGGGCGAGAAATGTTTGACCCTCGCAAACGGAAGTTCTCTGAGGAAGAACTGAAGCCACAGCCCATG
ATTAAGAAAGCTCGAAAGTCTTCATTCGGATGATTTGAAGGATGACAAGTACTGGGCGAGGCGCAGAA
AGAACAACATGGCGGCCAAGCGCTCCCGTATGCCCGCGGCTGAAGGAGAACCAGATCGCAATCCGGGC
CTCATTCTGGAGAAGGAGAAGTCCGCCCTCCGCCAGGAGGTGGCTGATTTAAGGAAGGAGCTGGGCAA
TGCAAGAACATACTTGCCAAGTACGAGGCCAGGCACGGGCCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204073 representing NM_172563
 Red=Cloning site Green=Tags(s)

MEKMSRQLPLNPTFIPPPYGVLRSLLENPLKLPLHPEDAFSKEKDKGKKLDDSSSPTVPQSAFLGPTLW
 DKTLPLYDGDTFQLEYMDLEEFLENGIPPSPSQHDHSPHPPGLQPASSTAPSVMDLSSRATAPLHPGIPS
 PNMCQSPIRPGQLLPANRNTSPIDPDTIQVPVGYEPDADLALSSIPGQEMFDRKRKFSEEELKPQPM
 IKKARKVFI PDDLKDDKYWARRRKNMAAKRSDARRLKENQIAIRASFLKENSALRQEVADLRKELGK
 CKNILAKYEARHGPL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172563

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.

RefSeq: [NM_172563.3](#), [NP_766151.1](#)

RefSeq Size: 5665 bp

RefSeq ORF: 888 bp

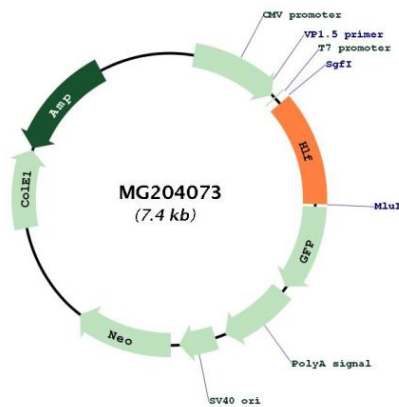
Locus ID: 217082

UniProt ID: [Q8BW74](#)

Cytogenetics: 11 55.03 cM

MW: 33.1 kDa

Product images:



Circular map for MG204073