

## Product datasheet for **MG204200**

### Hyls1 (BC035953) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hyls1 (BC035953) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hyls1
Synonyms:	3010015K02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204200 representing BC035953 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGCAACTGATAGGACCTGGTGGACAAAAATGGGCCAATATGGATCCTGAAGAACGAATGTTAGCTG  
CTGCTACAGCATTTACACGGATCTGTGCAGGGCAGGGTGAAGGAGATTCACGGAGAGAAGCCAGGCTGG  
CCAGTATGATCCCTACAGTAAAGCCTCAGTAACCCAGGAAAGAGACCGGCTCTTCTATGCACCTGCAC  
TCCCACATACAGCAAGCCGTGTCACCTTCCACGGTGTGAGACTTCCAAAAATGCAGAAAACCAG  
TGATGAAGAGGAAGGTGCTGCGAAGAAAGCCAGACGGGGAAGTGCTAGTGACAGATGAGTCTGTTATCAG  
TGAATGTGAATCTGGAACAGAAAGTGATTTGGGTCTCTGGGACTTGAGACACAGGTTTCATGAACCTACAG  
TTCCAAGAAGGTACAGAATCCCCAGTTGTCACTTCAAAAAATTTAACCTACCATGTGAATACCAAGGAA  
TTTCACAAGAAGATCAGCTCATTGCTATCTACAAAGAGAAGAAATGGACCCTCCTGTTTATGAACAAGA  
CTTGATTGTTGCCAGCAGACCCAAGTCCTTTATTTCTCCCAGACTGGATCAGTTAAGCCGAAACCGGGGC  
AAGATAGACCGAGTAGCCAGATATTTGAGTACAAAAGAGACTGGGATTCATGCGGTTTCTGGTGAAG  
ATCATAGAAAGGAGTTACGCTGGAGTGTCCGAGGGCAAATGCTTCCCAGAACAGAACCTCCGTCCAAGCC  
TCAACATGTGTATGTTCCAAACAATTACCTGGTGCCAACCTGAGAAGAAAAGATCTGCCCTTCGGTGGGGT  
GTGCGTTGTGACCTTGCAATGGTGTGATGCCCAAGAAGCTTCCCTTCCCGCTTTCTCCTTCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG204200 representing BC035953  
 Red=Cloning site Green=Tags(s)

MKQLIGPGGQKWANMDPEERMLAAATAFTRICAGQGEGDSRREAQAGQYDPYSKASVTPGKRPALPMHLH  
 FPHTASRVTSSTVSETSQKCRKPVMKRVLRRKPDGEVLVTDESVI SECESGTESDLGLWDLRHRFMNLQ  
 FQEGTESPVVTSQKFNLPCHEYQGISQEDQLICYLQREEMDPPVYEQDLIVASRPKSFILPRLDQLSRNRG  
 KIDRVARYFEYKRDWDSMRFPGEDHRKELRWSVRGQMLSRTEPPSKPQHVVYPNNYLVPTEKKRSALRWG  
 VRCDLANGVMPKKLPFPLSPS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC035953

**ORF Size:** 905 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:** [BC035953](#), [AAH35953](#)

**RefSeq Size:** 1687 bp

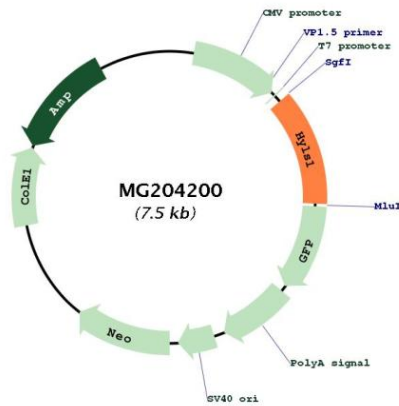
**RefSeq ORF:** 905 bp

**Locus ID:** 76832

**Cytogenetics:** 9 A4

**Gene Summary:** Plays a role in ciliogenesis.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG204200