

Product datasheet for **MR204200**

Hyls1 (NM_029762) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hyls1 (NM_029762) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hyls1
Synonyms:	3010015K02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204200 representing NM_029762 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAAAAAGACAAGCTTATAGTGTACCGGAAGCAATGAAGCAACTGATAGGACCTGGTGGACAAA
AATGGCCAATATGGATCCTGAAGAACGAATGTTAGCTGCTGCTACAGCATTTACACGGATCTGTGCAGG
GCAGGGTGAAGGAGATTCACGGAGAGAAGCCAGGCTGGCCAGTATGATCCCTACAGTAAAGCCTCAGTA
ACCCAGGAAAGAGACCGGCTCTTCTATGCACCTGCACTTCCCACATACAGCAAGCCGTGTCACTTCAT
CCACGGTGTGAGAGACTTCCAAAAATGCAGAAAACCAGTGATGAAGAGGAAGGTGCTGCGAAGAAAGCC
AGACGGGGAAGTGTAGTGACAGATGAGTCTGTTATCAGTGAATGTGAATCTGGAACAGAAAGTATTTG
GGTCTCTGGGACTTGAGACACAGTTTATGAACCTTACAGTTCCAAGAAGGTACAGAAATCCCAGTTGTCA
CTTCACAAAAATTTAACCTACCATGTGAATACCAAGGAATTTACAAGAAGATCAGCTCATTTGCTATCT
ACAAAGAGAAGAAATGGACCCTCTGTTTATGAACAAGACTTGATTGTTGCCAGCAGACCCAAGTCTTTT
ATTCTCCCAGACTGGATCAGTTAAGCCGAAACCGGGCAAGATAGACCGAGTAGCCAGATATTTGAGT
ACAAAAGAGACTGGGATTCATGCGGTTTCTGGTGAAGATCATAGAAAGGAGTTACGCTGGAGTGTCCG
AGGGCAAATGCTTTCCCGAACAGAACCTCCGTCGAAGCCTCAACATGTGTATGTTCCAAACAATTACCTG
GTGCCAACTGAGAAGAAAAGATCTGCCCTTCGGTGGGGTGTGCGTTGTGACCTTGCAAAATGGTGTATGC
CCAAGAAGCTTCCCTTCCCGCTTCTCCTTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204200 representing NM_029762
Red=Cloning site Green=Tags(s)

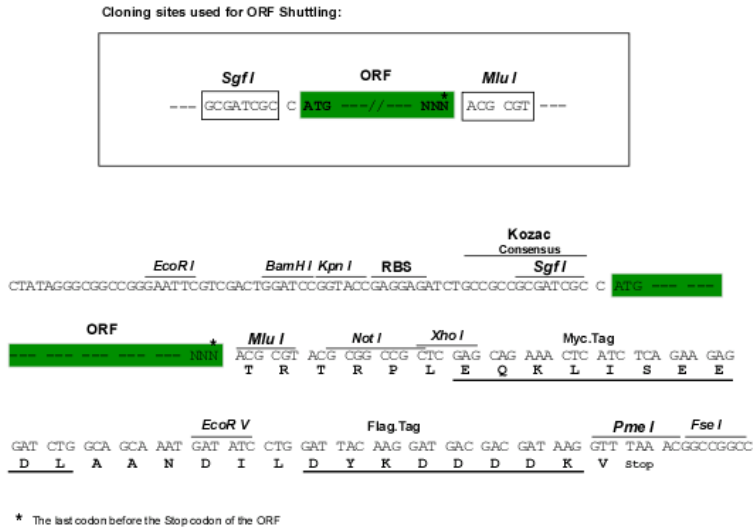
MAEKRQAYSVPEAMKQLIGPGGQKWANMDPEERMLAAATAFTRICAGQGEGDSRREAQAGQYDPYSKASV
 TPGKRPALPMHLHFPHTASRVTSSTVSETSQKCRKPVMKRKVLRKPDGEVLVTDESVISECESGTESDL
 GLWDLRHRFMNLQFQEGTESPVVTSQKFNLPCEYQGISQEDQLICYLQREEMDPPVYEQDLIVASRPKSF
 ILPRLDQLSRNRGKIDRVARYFEYKRDWDSMRFPGEDHRKELRWSVRGQMLSRTEPPSKPQHVVYPNNYL
 VPTEKKRSALRWGVRCDLANGVMPKPLPFPLSPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9079_h01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_029762

ORF Size: 942 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_029762.1](#), [NP_084038.1](#)

RefSeq Size: 1643 bp

RefSeq ORF: 945 bp

Locus ID: 76832

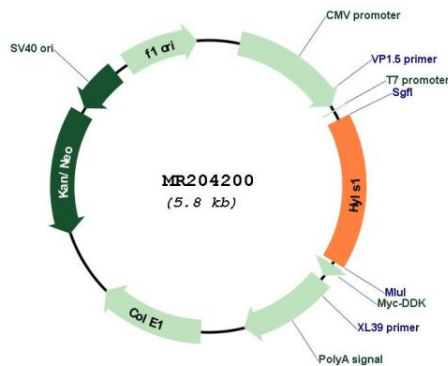
UniProt ID: [Q9CXX0](#)

Cytogenetics: 9 A4

MW: 35.9 kDa

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

Product images:



Circular map for MR204200