

Product datasheet for **RG225414**

HYLS1 (NM_001134793) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HYLS1 (NM_001134793) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: HYLS1
Synonyms: HLS
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG225414 representing NM_001134793
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGAACTTCTACCTGATGGACAAATATGGGCTAATATGGATCCAGAAGAACGAATGTTGGCAGCTG
 CTACAGCTTTTACCCACATCTGTGCAGGGCAGGGTGAAGGAGATGTCAGGAGAGAAGCCCAATCTATCCA
 ATATGATCCCTACAGTAAAGCTTCAGTAGCCCCAGGGAAGCGACCTGCTTCTCTGTGCAACTACAGTAC
 CCACATGTAGAAAGTAATGTCCCTTCAGAAACAGTCTCTGAGGCCTCCCAAAGACTCCGAAAGCCAGTGA
 TGAAGAGAAAGGTGCTGCGCAGAAAGCCAGATGGGGAAGTATTAGTAACAGATGAGTCGATTATCAGTGA
 ATCAGAATCTGGTACAGAAAATGATCAGGATCTCTGGGACTTAAGACAAAGGCTGATGAATGTACAGTTC
 CAGGAAGACAAGGAATCTTCATTTGATGTTTCACAAAAATTTAACCTACCACATGAATACCAAGGAATTT
 CTCAAGATCAGCTCATTTGCTCTCTACAAAGAGAAGGAATGGGCTCTCCAGCTTACGAACAAGACCTGAT
 TGTTGCCAGCAGACCCAAGTCCTTTATTCTCCAAAGCTGGACCAGTTAAGCCGAAACCGGGGAAGACA
 GACCGGTAGCCCGGTATTTGAGTACAAACGGGACTGGGACTCAATACGTTTACCTGGTGAAGATCATA
 GAAAGGAATTACGCTGGGGTGTCCGAGAGCAGATGCTTTGTCGAGCAGAACCCCAATCCAAACCTCAGCA
 TATATATGTCCCAACAATTATCTAGTACCAACAGAGAAGAAAAGGTCTGCACTCCGTTGGGGTGTTCGT
 TGTGACCTTGCAATGGTGTACATACCGAGAAGCTTCCCTCCCTCTTCTCCTTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG225414 representing NM_001134793
Red=Cloning site Green=Tags(s)

MEELLPDGQIWANMDPEERMLAAATAFTHICAGQEGDVRREAQSIQYDPYSKASVAPGKRPALPVQLQY
 PHVESNVPSETVSEASQRLRKPVMKRKVLRRKPDGEVLVTDESIISESESGTENDQDLWDLRQLMNVQF
 QEDKESFFDVSQKFNLPHEYQGISQDQLICSLQREGMSPAYEQDLIVASRPKSFILPKLDQLSRNRGKT
 DRVARYFEYKRDWDSIRLPGEDHRKELRWGVREQMLCRAEPQSKPQHIYVFNYYLVPTTEKKRSALRWGVR
 CDLANGVIPRKLFPFLSPS

TRTRPLE - GFP Tag - V

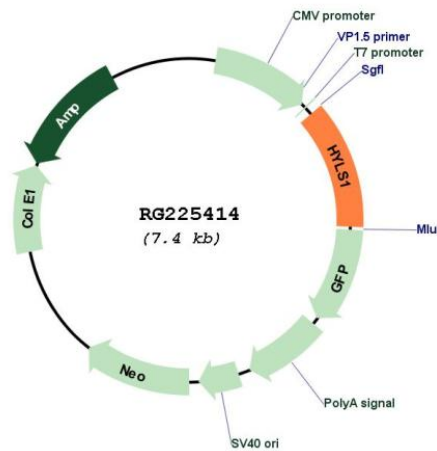
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001134793

ORF Size: 897 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:	<ol style="list-style-type: none">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_001134793.2
RefSeq Size:	2073 bp
RefSeq ORF:	900 bp
Locus ID:	219844
UniProt ID:	Q96M11
Cytogenetics:	11q24.2
Gene Summary:	This gene encodes a protein localized to the cytoplasm. Mutations in this gene are associated with hydrolethalmus syndrome. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Oct 2008]