

Product datasheet for **SC108119**

HYLS1 (NM_145014) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HYLS1 (NM_145014) Human Untagged Clone
Tag:	Tag Free
Symbol:	HYLS1
Synonyms:	HLS
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_145014, the custom clone sequence may differ by one or more nucleotides

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ATGGAAGAACTTCTACCTGATGGACAAATATGGGCTAATATGGATCCAGAAGAACGAATGTTGGCAGCTG
CTACAGCTTTTACCCACATCTGTGCAGGGCAGGGTGAAGGAGATGTCAGGAGAGAAGCCCAATCTATCCA
ATATGATCCCTACAGTAAAGCTTCAGTAGCCCCAGGGAAGCGACCTGCTTCTGTGCAACTACAGTAC
CCACATGTAGAAAGTAATGTCCCTTCAGAAACAGTCTCTGAGGCCTCCCAAAGACTCCGAAAGCCAGTGA
TGAAGAGAAAGGTGCTGCGCAGAAAGCCAGATGGGGAAGTATTAGTAACAGATGAGTCGATTATCAGTGA
ATCAGAATCTGGTACAGAAAATGATCAGGATCTCTGGGACTTAAGACAAAGGCTGATGAATGTACAGTTC
CAGGAAGACAAGGAATCTTCATTTGATGTTTCACAAAAATTTAACCTACCACATGAATACCAAGGAATTT
CTCAAGATCAGCTCATTGCTCTCTACAAAGAGAAGGAATGGGCTCTCCAGCTTACGAACAAGACCTGAT
TGTTGCCAGCAGACCCAAGTCCTTTATTCTCCAAAGCTGGACCAGTTAAGCCGAAACCGGGGCAAGACA
GACCGGTAGCCCGGTATTTTGGTACAAACGGGACTGGGACTCAATACGTTTACCTGGTGAAGATCATA
GAAAGGAATTACGCTGGGGTGTCCGAGAGCAGATGCTTTGTCGAGCAGAACCCCAATCCAAACCTCAGCA
TATATATGTCCCAACAATTATCTAGTACCAACAGAGAAGAAAAGGTCTGCACTCCGTTGGGGTGTTCGT
TGTGACCTGCAAATGGTGTACATACCAGGAAGCTTCCCTCCCTCTTCTCCTCTTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_145014 unedited
 GGGTGTCAAAATTTGTATACGACTCACTATAGGCGGCCGCGAAATTCGCACGAGGGCGGA
 CTTCCGCGACGCGGGTTTTTTTTTTTACTTGAATGTAAATACCAATCAAGATACATTGAAA
 TAAGAAGGTCCTACAGTGTAGGGGAAGCAATGGAAGAACTTCTACCTGATGGACAAATAT
 GGGCTAATATGGATCCAGAAGAACAATGTTGGCAGCTGCTACAGCTTTTACCCACATCT
 GTGCAGGGCAGGGTGAAGGAGATGTCAGGAGAGAAGCCCAATCTATCCAATATGATCCCT
 ACAGTAAAGCTTCAGTAGCCCCAGGGAAGCGACCTGCTCTTCTGTGCAACTACAGTACC
 CACATGTAGAAAAGTAATGTCCCTTCAGAAAACAGTCTCTGAGGCCTCCCAAAGACTCCGAA
 AGCCAGTGATGAAGAGAAAGGTGCTGCGCAGAAAAGCCAGATGGGGAAGTATTAGTAAACAG
 ATGAGTCGATTATCAGTGAATCAGAATCTGGTACAGAAAATGATCAGGATCTCTGGGACT
 TAAGACAAAGGCTGATGAATGTACAGTTCAGGAAGACAAGGAATCTTCATTTGATGTTT
 CACAAAAATTTAACCTACCACATGAATACCAAGGAATTTCTCAAGATCAGCTCATTGCT
 CTCTACAAAGAGAAGGAATGGGCTCTCCAGCTTACGAACAAGACCTGATTGTTGCCAGCA
 GACCCAAGTCCTTTATTCTCCCAAAGCTGGACCAGTTAAGCCGAAACCGNGCAAGACAG
 ACCGGGTAGCCCGTATTTTGTAGTACAACGGGACTGGACTCAATACGTTACCTGGNTGAA
 GACATAGAAAAGATTACCTTGGGGGTGTCGAGACAGATGCTTTGTGCGAGCAGAACCCATCC
 NAACTCACATATATATGTCCCAACATTATCTAGTACACAGGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_145014 unedited
 GTACCGCGGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAATTT
 CCAAAATCTTTAATTGGTAAGTGAATGCCAGCAACTTAAAAAACACACACTGAAGCA
 CAGCAACTCATATTGATAGGTAAAAAAGTTACAGGACACAAAGGGCCCTTACTAATTTG
 ACAAATAGAAAGACCAGGTCTGTTGTTCTTTCTCTGATATGATTTATCTTGCAATTGCT
 GGATTTGAGTGGCAATTTGGAAGTATCATCTGATACCAATGTGATATATAGCTAGGAAAG
 ACCAATGATAGGTGAAGTCCTTACCATAAAATGTTTCGAAGAGCTTCTCAAGACAGTTGT
 TTCTATTTAAAAGGGAAGATATAAAGAGCTAGGTTATCTCAAACAATCCTGTGAAAGAAG
 TTTAAAAAGATTTAAGAAGGAGAAAAGAGGGAAGGGAAGCTTCTGGGTATGACACCATTT
 GCAAGGTCACAACGAACACCCCAACGGAGTGCAGACCTTTTCTTCTCTGGTGGTACTAGA
 TAATTGTTTGGGACATATATATGCTGAAGTTTGGATTGGGGTTCTGCTCGACAAAGCATC
 TGCTCTCGGACACCCAGCGTAATTCCTTTCTATGATCTTACCAGGTTAACGATTTGAGT
 CCCAGTCCCCTTTGTAATAACCCAGGCTCCCGTCTGTGCTTGCCCGGTTCTGCT
 TAACTGGTTCACCTTTGGAGAAAATAAGACTTGGGTCTGGTTGCAACATAAAGTCTTGT
 GTTAACTGGAGAGCCATTCCTCTCTTTTAAAGCAAAGAGCTGATCTTGAAAAATCTGG
 GTTCTGTGGGAGGTAAAATGGGGAAAAACCAGAAAATCCTTGGTTCTGAACGGAACCTTA
 TTACCTTTGTTAATCCCAAATACCGTAATTTTGTCCAATCTGTTCTGTAAACGCCCTCG
 T

Restriction Sites:

ECoRI-NOT

ACCN:

NM_145014

Insert Size:

1500 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_145014.1](#), [NP_659451.1](#)

RefSeq Size: 1812 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 hydrolethalus syndrome. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Oct 2008]
Transcript Variant: This variant (1) represents the shorter transcript. Variants 1 and 2 encode the same protein.