

Product datasheet for **RC225414**

HYLS1 (NM_001134793) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HYLS1 (NM_001134793) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HYLS1
Synonyms:	HLS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC225414 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCCAGAAGAACGAATGTTGGCAGCTGCTACAGCTTTTACCCACATCCGTGCAGGGCAGGGTGAAG
GAGATGTCAGGAGAGAAGCCCAATCTATCCAATATGATCCCTACAGTAAAGCTTCAGTAGCCCCAGGGAA
GCGACCTGCTCTCCTGTGCAACTACAGTACCCACATGTAGAAAGTAATGTCCCTCAGAAACAGTCTCT
GAGGCCTCCAAAGACTCCGAAAGCCAGTGATGAAGAGAAAGGTGCTGCGCAGAAAGCCAGATGGGGAAG
TATTAGTAACAGATGAGTCGATTATCAGTGAATCAGAATCTGGTACAGAAAATGATCAGGATCTCTGGGA
CTTAAGACAAAGGCTGATGAATGTACAGTTCAGGAAGACAAGGAATCTTCATTTGATGTTTCACAAAAA
TTTAACCTACCACATGAATACCAAGGAATTTCTCAAGATCAGCTCATTTGCTCTTACAAAGAGAAGGAA
TGGGCTCTCCAGCTTACGAACAAGACCTGATTGTTGCCAGCAGACCCAAGTCCTTTATTCTCCAAAGCT
GGACCAGTTAAGCCGAAACCGGGCAAGACAGACCGGGTAGCCCGGTATTTTGGTACAAACGGGACTGG
GACTCAATACGTTTACCTGGTGAAGATCATAGAAAGGAATTACGCTGGGGTGTCCGAGAGCAGATGCTTT
GTCGAGCAGAACCCCAATCCAAACCTCAGCATATATGTCCAAACAATTATCTAGTACCAACAGAGAA
GAAAAGGTCTGCACTCCGTTGGGGTGTTCGTTGTGACCTTGCAAATGGTGCATACCCAGGAAGCTTCCC
TTCCCTTTTCTCCTTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC225414 protein sequence
Red=Cloning site Green=Tags(s)

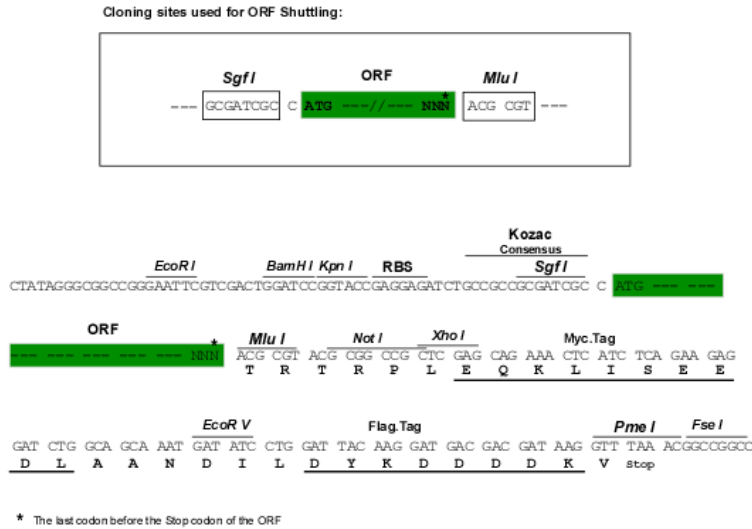
MDPEERMLAAATAFTHIRAGQGEGDVRREAQSIQYDPYSKASVAPGKRPALPVQLQYPHVESNPSETVS
 EASQRLRKPVMKRKVLRRKPDGEVLVTDESIIESESGTENDQLWDLRQRLMNVQFQEDKESSFDVVSQK
 FNLPHYQGISQDQLICSLQREGMGSPAYEQDLIVASRPKSFILPKLDQLSRNRGKTRVARYFEYKRDW
 DSIRLPGEDHRKELRWGVREQMLCRAEPQSKPQHIYVPNNYLVPTEKRSALRWGVRCDLANGVIPRKL
 FPLSPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6307_f06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001134793

ORF Size: 858 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 Size: 2073 bp

RefSeq ORF: 900 bp

Locus ID: 219844

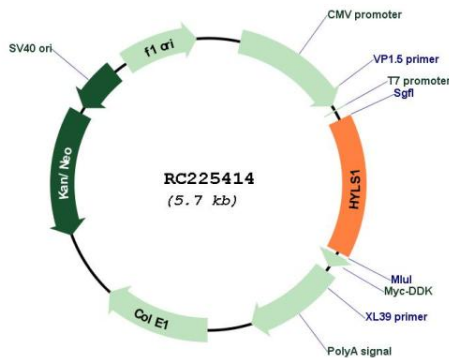
UniProt ID: [Q96M11](#)

Cytogenetics: 11q24.2

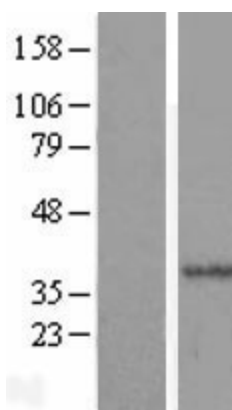
MW: 32.9 kDa

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]

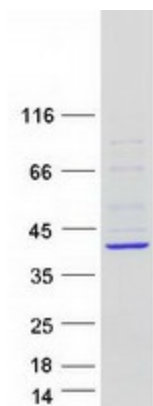
Product images:



Circular map for RC225414



Western blot validation of overexpression lysate (Cat# [LY427495]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225414 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified HYLS1 protein (Cat# [TP325414]). The protein was produced from HEK293T cells transfected with HYLS1 cDNA clone (Cat# RC225414) using MegaTran 2.0 (Cat# [TT210002]).