OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC200329

HCLS1 (NM_005335) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HCLS1 (NM_005335) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HCLS1
Synonyms:	CTTNL; HS1; lckBP1; p75
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC200329 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGAAGTCTGTAGTGGGCCATGATGTGTCTGTTTCCGTGGAGACCCAGGGTGATGATTGGGACACAG
ATCCTGACTTTGTGAATGACATCTCTGAAAAGGAGCAACGATGGGGAGCCAAGACCATCGAGGGGTCTGG
ACGCACAGAACACATCAACATCCACCAGCTGAGGAACAAAGTATCAGAGGAGCATGATGTTCTCAGGAAG
AAAGAGATGGAGTCAGGGCCCAAAGCATCCCATGGCTATGGAGGTCGGTTTGGAGTAGAAAGAGACCGAA
TGGACAAGAGTGCAGTGGGCCATGAGTATGTTGCCGAGGTGGAGAAGCACTCTTCTCAGACGGATGCTGC
CAAAGGCTTTGGGGGCAAGTACGGAGTTGAGAGGGACAGGGCAGACAAGTCAGCAGTCGGCTTTGATTAT
AAAGGAGAAGTGGAGAAGCATACATCTCAGAAAGATTACTCTCGTGGCTTTGGTGGCCGGTACGGGGTGG
AGAAGGATAAATGGGACAAAGCAGCTCTGGGATATGACTACAAGGGAGAGACGGAGAAACACGAGTCCCA
GAGAGATTATGCCAAGGGCTTTGGTGGCCAGTATGGAATCCAGAAGGACCGAGTGGATAAGAGCGCTGTC
GGCTTCAATGAAATGGAGGCCCCGACCACAGCTTATAAGAAGACGACGCCCATAGAAGCCGCTTCTAGTG
GTGCCCGTGGGCTGAAGGCGAAATTTGAGTCCATGGCTGAGGAGAAGAGGAAGCGAGAGGAAGAGGAGAA
GGCACAGCAGGTGGCCAGGAGGCAACAGGAGCGAAAGGCTGTGACAAAGAGGAGCCCTGAGGCTCCACAG
CCAGTGATAGCTATGGAAGAGCCAGCAGTACCGGCCCCACTGCCCAAGAAAATCTCCTCAGAGGCCTGGC
CTCCAGTTGGGACTCCTCCATCATCAGAGTCTGAGCCTGTGAGAACCAGCAGGGAACACCCAGTGCCCTT
GCTGCCCATTAGGCAGACTCTCCCGGAGGACAATGAGGAGCCCCCAGCTCTGCCCCCTAGGACTCTGGAA
GGCCTCCAGGTGGAGGAAGAGCCAGTGTACGAAGCAGAGCCTGAGCCTGAGCCCGAGCCTGAGCCCGAGC
CTGAGAATGACTATGAGGACGTTGAGGAGATGGACAGGCATGAGCAGGAGGATGAACCAGAGGGGGACTA
TGAGGAGGTGCTCGAGCCTGAAGATTCTTCTTTTTCTTCTGCTCTGGCTGGATCATCAGGCTGCCCGGCT
GGGGCTGGGGCTGGGGCTGTGGCTCTGGGGATCTCAGCTGTGGCTCTATATGATTACCAAGGAGAGGGAA
GTGATGAGCTTTCCTTTGATCCGGACGACGTAATCACTGACATTGAGATGGTGGACGAGGGCTGGTGGCG
GGGACGTTGCCATGGCCACTTTGGACTCTTCCCTGCAAATTATGTCAAGCTTCTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC200329 protein sequence
Red=Cloning site Green=Tags(s)

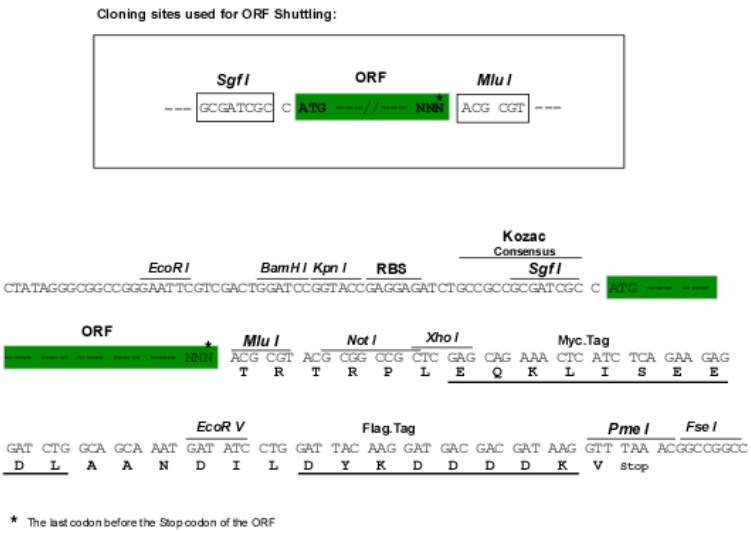
MWKSVVGHDVSVSVETQGDDWDTDPDFVNDISEKEQRWGAKTIEGSGRTEHINIHQLRNKVSEEHDVLRK
KEMESGPKASHGYGGRFGVERDRMDKSAVGHEYVAEVEKHSSQTDAAKGFGGKYGVERDRADKSAVGFDY
KGEVEKHTSQKDYSRGFGGRYGVEKDKWDKAALGYDYKGETEKHESQRDYAKGFGGQYGIQKDRVDKSAV
GFNEMEAPTTAYKKTTPIEAASSGARGLKAKFESMAEEKRKREEEEKAQQVARRQQERKAVTKRSPEAPQ
PVIAMEEPAVPAPLPKKISSEAWPPVGTPPSSESEPVRTSREHPVPLLPIRQTLPEDNEEPPALPPRTLE
GLQVEEEPVYEAEPEPEPEPEPEPENDYEDVEEMDRHEQEDEPEGDYEEVLEPEDSSFSSALAGSSGCPA
GAGAGAVALGISAVALYDYQGEGSDELSFDPDDVITDIEMVDEGWWRGRCHGHFGLFPANYVKLLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6674_f11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005335

ORF Size: 1458 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

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

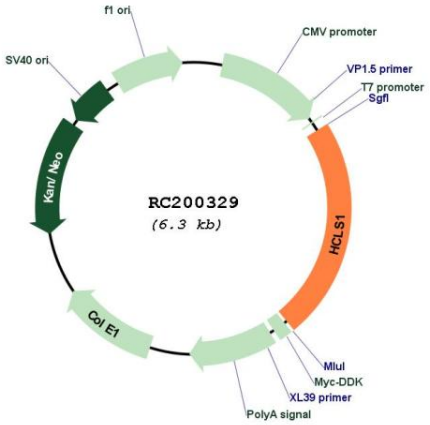
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

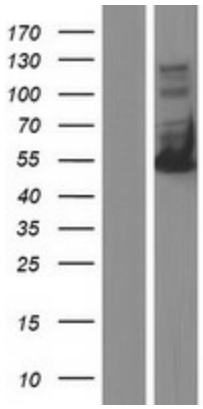
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_005335.3, NP_005326.1
RefSeq Size:	2054 bp
RefSeq ORF:	1461 bp
Locus ID:	3059
UniProt ID:	P14317
Cytogenetics:	3q13.33
Domains:	SH3, HS1_rep
Protein Families:	Transcription Factors
Protein Pathways:	Pathogenic Escherichia coli infection, Tight junction
MW:	54 kDa
Gene Summary:	Substrate of the antigen receptor-coupled tyrosine kinase. Plays a role in antigen receptor signaling for both clonal expansion and deletion in lymphoid cells. May also be involved in the regulation of gene expression.[UniProtKB/Swiss-Prot Function]

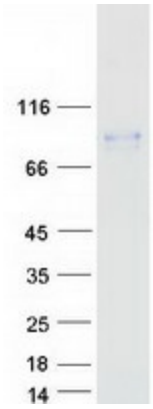
Product images:



Circular map for RC200329



Western blot validation of overexpression lysate (Cat# [LY417367]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200329 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified HCLS1 protein (Cat# [TP300329]). The protein was produced from HEK293T cells transfected with HCLS1 cDNA clone (Cat# RC200329) using MegaTran 2.0 (Cat# [TT210002]).