

Product datasheet for **RG200329**

HCLS1 (NM_005335) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HCLS1 (NM_005335) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HCLS1
Synonyms:	CTTNL; HS1; lckBP1; p75
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG200329 representing NM_005335
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGAAGTCTGTAGTGGCCATGATGTGTCTGTTCCGTGGAGACCCAGGGTATGATTGGGACACAG
 ATCCTGACTTTGTGAATGACATCTCTGAAAAGGAGCAACGATGGGGAGCCAAGACCATCGAGGGTCTGG
 ACGCACAGAACACATCAACATCCACCAGCTGAGGAACAAAGTATCAGAGGAGCATGATGTTCTCAGGAAG
 AAAGAGATGGAGTCAGGGCCAAAGCATCCCATGGCTATGGAGGTCGGTTTGGAGTAGAAAGAGACCGAA
 TGGACAAGAGTGCAGTGGGCCATGAGTATGTTGCCGAGGTGGAGAAGCACTCTTCTCAGACGGATGCTGC
 CAAAGGCTTTGGGGCAAGTACGGAGTTGAGAGGGACAGGGCAGACAAGTCAGCAGTCGGCTTTGATTAT
 AAAGGAGAAGTGGAGAAGCATACATCTCAGAAAGATTACTCTCGTGGCTTTGGTGGCCGGTACGGGGTGG
 AGAAGGATAAATGGGACAAAGCAGCTCTGGGATATGACTACAAGGGAGAGACGGAGAAACACGAGTCCCA
 GAGAGATTATGCCAAGGGCTTTGGTGGCCAGTATGGAATCCAGAAGGACCGAGTGGATAAGAGCGCTGTC
 GGCTTCAATGAAATGGAGGCCCGACCACAGCTTATAAGAAGACGACGCCCATAGAAGCCGCTTCTAGTG
 GTGCCCGTGGGCTGAAGGCGAAATTTGAGTCCATGGCTGAGGAGAAGAGGAAGCGAGAGGAAGAGGGAA
 GGCACAGCAGGTGGCCAGGAGGCAACAGGAGCGAAAGGCTGTGACAAAGAGGAGCCCTGAGGCTCCACAG
 CCAGTGATAGCTATGGAAGAGCCAGCAGTACCGGCCCACTGCCCAAGAAAATCTCCTCAGAGGCCCTGGC
 CTCCAGTTGGGACTCCTCCATCATCAGAGTCTGAGCCTGTGAGAACAGCAGGGAAACACCCAGTGCCTT
 GCTGCCATTAGGCAGACTCTCCCGAGGACAAATGAGGAGCCCCAGCTCTGCCCCCTAGGACTCTGGAA
 GGCCTCCAGGTGGAGGAAGAGCCAGTGTACGAAGCAGAGCCTGAGCCTGAGCCCCAGCCTGAGCCCCGAGC
 CTGAGAATGACTATGAGGACGTTGAGGAGATGGACAGGCATGAGCAGGAGGATGAACAGAGGGGACTA
 TGAGGAGGTGCTCGAGCCTGAAGATTCTCTTTTTCTTCTGCTCTGGCTGGATCATCAGGCTGCCCGCT
 GGGGCTGGGCTGGGCTGTGGCTCTGGGATCTCAGCTGTGGCTCTATATGATTACCAAGGAGAGGGAA
 GTGATGAGCTTTCTTTGATCCGGACGACGTAATCACTGACATTGAGATGGTGGACGAGGCTGTTGGCG
 GGGACGTTGCCATGGCCACTTTGGACTCTCCCTGCAAATATGTCAAGCTTCTGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG200329 representing NM_005335
 Red=Cloning site Green=Tags(s)

MWKSVVGHDSVSVETQGDWDTPDFVNDISEKEQRWGAKTIEGSGRTEHINIHLRNKVSEEHDLVRK
 KEMESGPKASHGYGGRFGVERDRMDKSAVGHEYVAEVEKHSSQTDAAKFGGKYGVERDRADKSAVGFY
 KGEVEKHTSQDYSRFGGGRYGVKDKWKAALGYDYKGETEKHESQRDYAKFGGQYGIQKDRVDKSAV
 GFNEMEAPTTAYKKTPIEAASSGARGLKAKFESMAEEKRKREEEEKAQQVARRQERKAVTKRSPEAPQ
 PVIAMEEPAVPAPLPKKISSEAWPPVGTTPPSESEPVRTSREHPVLLPIRQTLPEDNPEPALPPRTLE
 GLQVEEPPVYEAPEPEPEPEPEPENDYEDVEEMDRHEQEDEPEGDYEEVLEPEDSSFSALAGSSGCPA
 GAGAGAVALGISAVALYDYQEGESDELSPDPDDVITDIEMVDEGWRRGRCHGHFLFPANYVKLLE

TRTRPLE - GFP Tag - V

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](#)

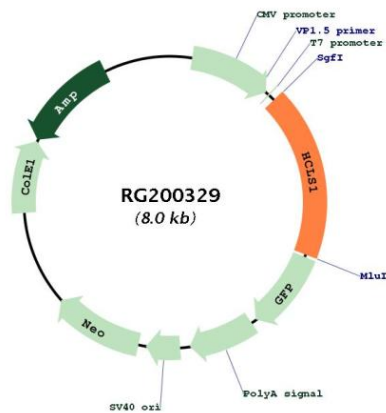
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

RefSeq: [NM_005335.3, NP_005326.1](#)
RefSeq Size: 2029 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
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 RG200329