

Product datasheet for **RC238298**

HCLS1 (NM_001292041) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HCLS1 (NM_001292041) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HCLS1
Synonyms:	CTTNL; HS1; lckBP1; p75
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RC238298 representing NM_001292041
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGAAGTCTGTAGTGGCCATGATGTGTCTGTTCCGTGGAGACCCAGGGTATGATTGGGACACAG
 ATCCTGACTTTGTGAATGACATCTCTGAAAAGGAGCAACGATGGGGAGCCAAGACCATCGAGGGTCTGG
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 TGGACAAGAGTGCAGTGGGCCATGAGTATGTTGCCGAGGTGGAGAAGCACTCTTCTCAGACGGATGCTGC
 CAAAGGCTTTGGGGCAAGTACGGAGTTGAGAGGGACAGGGCAGACAAGTCAGCAGTCGGCTTTGATTAT
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 GCCCAAGAAAATCTCTCAGAGGCTGGCCTCCAGTTGGGACTCTCCATCATCAGAGTCTGAGCCTGTG
 AGAACCAGCAGGGAACCCAGTGCCTTGTGCCATTAGGCAGACTCTCCCGAGGACAATGAGGAGC
 CCCAGCTCTGCCCCCTAGGACTCTGGAAGGCCTCCAGGTGGAGGAAGAGCCAGTGTACGAAGCAGAGCC
 TGAGCCTGAGCCCAGCCTGAGCCCAGCCTGAGAATGACTATGAGGACGTTGAGGAGATGGACAGGCAT
 GAGCAGGAGGATGAACCAGAGGGGGACTATGAGGAGGTGCTCGAGCCTGAAGATTCTTCTTTTCTCTG
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 GGCTCTATATGATTACCAAGGAGAGGGAAGTATGAGCTTTCTTTGATCCGGACGACGTAATCACTGAC
 ATTGAGATGTTGACGAGGGCTGGTGGCGGGACGTTGCCATGGCCACTTTGGACTCTTCCCTGCAAATT
 ATGTCAAGCTTCTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238298 representing NM_001292041
 Red=Cloning site Green=Tags(s)

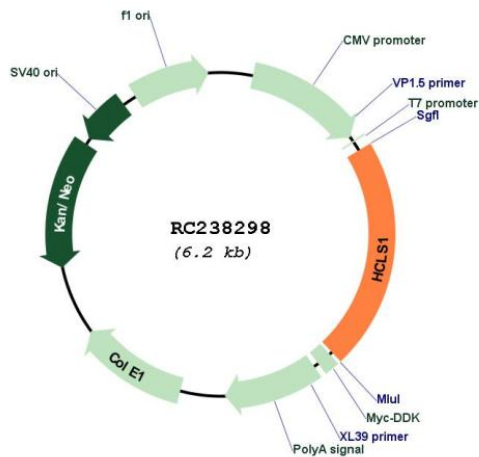
MWKSIVVGHDSVSVETQGDWDTPDFVNDISEKEQRWGAKTIEGSRTEHINIHLRNKVSEEHDLVRK
 KEMESGPKASHGYGGRFVVERDRMDKSAVGHYVAEVEKHSSQTDAAKGFGGKYGVERDRADKSAVGFY
 KGEVEKHTSQKDYAKGFGGQYGIQKDRVDKSAVGFNEMEAPTTAYKKTPIEAASSGTRGLKAKFESMAE
 EKRRKEEEKAQQVARRQKERKAVTKRSPEAPQVVIAMEEPAVPAPLPKISSEAWPPVGTTPSSSESEPV
 RTSREHPVPLLPVIRQTLPEDNPEPPALPPRTLEGLQVEEPEVYAEPEPEPEPEPENDYEDVEEMDRH
 EQEDEPEGDYEEVLEPEDSSFSSALAGSSGCPAGAGAGAVALGISAVALYDYQGEQSDEL SFPDDVITD
 IEMVDEGWWRGRCHGHFGLFPANYVKLLE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001292041

ORF Size: 1347 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_001292041.1 , NP_001278970.1
RefSeq Size:	1943 bp
RefSeq ORF:	1350 bp
Locus ID:	3059
UniProt ID:	P14317
Cytogenetics:	3q13.33
Protein Families:	Transcription Factors
Protein Pathways:	Pathogenic Escherichia coli infection, Tight junction
MW:	50.2 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]