

Product datasheet for **MR207789**

Hcls1 (NM_008225) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Hcls1 (NM_008225) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Hcls1 |
| Synonyms: | AW213261; HS1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>MR207789 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGAAGTCTGTAGTGGGCATGATGTATCGGTTTCCGTGGAGACCCAGGGTATGACTGGGATACAG
 ACCCTGACTTTGTGAATGACATCTCCGAGAAGGAGCAACGGTGGGGAGCCAAGACCATAGAGGGCTCTGG
 ACGCACAGAGCACATCAACATCCACCAGCTGAGGAACAAAGTGTGAGAGGAGCAGACATCCTCAAGAAG
 AAGGAGCTGGAATCGGGCCTAAGGCATCCCATGGCTATGGCGGTGCGTTTGGAGTGGAGAGAGACCGGA
 TGGACAAGAGTGCCGTGGGCCACGAGTATGTTGCTGATGTGGAGAAACTCATCTCAGACTGATGCCGC
 CAGAGGCTTTGGGGCAAATATGGAGTTGAGAGGGACCGGCAGACAAGTCAGCGGTGGGCTTTGACTAC
 AAAGGAGAAGTGGAAAAGCATGCATCTCAGAAAGATTACTCTCATGGCTTTGGTGGCCGCTACGGGGTAG
 AGAAGGATAAACGGGACAAAGCAGCCCTGGGATACGACTACAAAGGAGAGACGGAGAAGCAGAGTCTCA
 GAGAGATTATGCCAAGGGCTTTGGTGGCCAATATGGAATCCAGAAAGACCGAGTGGATAAGAGTGTCTTT
 GGCTTCAATGAAATGGAGGCCCAACCACGGCGTATAAGAAGACAACACCCATAGAAAGCTGCTTCCAGTG
 GTGCCCGTGGGCTGAAGGCAAAATTTGAGTCCCTGGCTGAGGAGAAGAGGAAGCGAGAGGAAGAAGAA
 GGCACAGCAGATGGCCAGGCAGCAACAGGAGCGAAAGGCTGTGGTAAAGATGAGCCGAGAAGTCCAGCAG
 CCATCCATGCCTGTGGAAGAGCCAGCGCACAGCCAGTTGCCAAGAAGATCTCCTCAGAGGTCTGGC
 CTCCAGCAGAGAGTCACTACCGCCAGAGTCTCAGCCAGTGAGAAGCAGAAGGGAATACCTGTGCCCTC
 TCTGCCACGAGGCGAGTCTCCATTCAGAAATCACTTGGAGACAACGAGGAGCCCCAGCTGTGCCCTC
 AGGACCCAGAAGGCCTCCAGGTGGTGGAAAGAGCCAGTGTACGAAGCAGCACCCGAGCTGGAGCCGGAGC
 CAGAGCCTGACTATGAGCCAGAGCCAGAGACAGCCCTGACTATGAGGATGTTGGGGAGTTAGATCGGGA
 GGATGAGGATGCAGAGGGAGACTATGAGGATGTGCTGGAGCCCGAGGACACCCCTTCTGTCTACCAA
 GCTGGACCCTCAGCTGGGCTGGTGGTGCGGGATCTCTGCTATAGCCCTGTATGATTACCAAGGAGAGG
 GAAGCGATGAGCTTCTTTGATCCAGATGACATCATCACTGACATTGAGATGGTGGATGAAGGCTGGT
 GCGGGGCCAATGCCGTGGCCACTTTGGACTTTTCCCTGCAAACATGTCAAGCTCCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207789 protein sequence
 Red=Cloning site Green=Tags(s)

MWKSVVGHDSVSVETQGDDWDTDPDFVNDISEKEQRWGAKTIEGSGRTEHINIHLRNKVSSEHDILKK
 KELESGPKASHGYGGRFGVERDRMDKSAVGHEYVADVEKHSSQTDAAARGFGGKYGVERDRADKSAVGFY
 KGEVEKHASQKDYSHGFGGRYGVVEKDKRDKAALGYDYKGETEKHESQRDYAKGFGGQYGIQKDRVDSAV
 GFNEMEAPTTAYKKTTPIEAASSGARGLKAKFESLAEKRRKEEEEKAQQMARQQERKAVVKMSREVQQ
 PSMPVEEPAAPAQLPKKISSSEVWPPAESHLPPESQPVRSRREYPVPSLPTRQSPLQNHLEDNEEPPALPP
 RTPEGLQVVEEPVYEAPELEPEPEPDYEPETEPDYEDVGELEDRQDEDAEGDYEDVLEPEDTPSLSYQ
 AGPSAGAGGAGISAIALYDYQEGSDEL SFPDDIITDIEMVDEGWWRGQCRGHFGLFPANVYKLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_008225

ORF Size: 1461 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: [NM_008225.2](#), [NP_032251.2](#)

RefSeq Size: 2031 bp

RefSeq ORF: 1461 bp

Locus ID: 15163

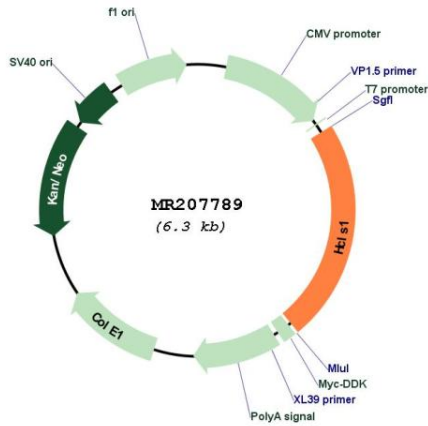
UniProt ID: [P49710](#)

Cytogenetics: 16 B3

MW: 54.2 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207789