

Product datasheet for **MG207789**

Hcls1 (NM_008225) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hcls1 (NM_008225) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hcls1
Synonyms:	AW213261; HS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207789 representing NM_008225
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGAAGTCTGTAGTGGGCATGATGTATCGGTTTCCGTGGAGACCCAGGGTATGACTGGGATACAG
 ACCCTGACTTTGTGAATGACATCTCCGAGAAGGAGCAACGGTGGGAGCCAAGACCATTGAGGGCTCTGG
 ACGCACAGAGCACATCAACATCCACCAGCTGAGGAACAAAGTGTGAGAGGAGCAGACATCCTCAAGAAG
 AAGGAGCTGGAATCGGGCCTAAGGCATCCCATGGCTATGGCGTTCGGTTTGGAGTGGAGAGAGACCGGA
 TGGACAAGAGTGCCGTGGGCCACGAGTATGTTGCTGATGTGGAGAACTCATCTCAGACTGATGCCGC
 CAGAGGCTTTGGGGCAAATATGGAGTTGAGAGGGACCGGCAGACAAGTCAAGCGTGGGCTTTGACTAC
 AAAGGAGAAGTGGAAAAGCATGCATCTCAGAAAGATTACTCTCATGGCTTTGGTGGCCGCTACGGGGTAG
 AGAAGGATAAACGGGACAAAGCAGCCCTGGGATACGACTACAAAGGAGAGACGGAGAAGCAGAGTCTCA
 GAGAGATTATGCCAAGGGCTTTGGTGGCCAATATGGAATCCAGAAAGACCGAGTGGATAAGAGTGTGTT
 GGCTTCAATGAAATGGAGGCCCAACCACGGCGTATAAGAAGACAACACCCATAGAAGCTGCTTCCAGTG
 GTGCCCGTGGGCTGAAGGCAAAATTTGAGTCCCTGGCTGAGGAGAAGAGGAAGCGAGAGGAAGAAGAA
 GGCACAGCAGATGGCCAGGCAGCAACAGGAGCGAAAGGCTGTGGTAAAGATGAGCCGAGAAGTCCAGCAG
 CCATCCATGCCTGTGGAAGAGCCAGCGCACAGCCAGTTGCCAAGAAGATCTCTCAGAGGTCTGGC
 CTCCAGCAGAGAGTCACTACCGCCAGAGTCTCAGCCAGTGAGAAGCAGAAGGGAATACCTGTGCCCTC
 TCTGCCACGAGGCGAGTCCATTGAGAATCACTTGGAGACAACGAGGAGCCCCAGCTGTGCCCTC
 AGGACCCAGAAGGCCTCAGGTGGTGGAAAGAGCCAGTGTACGAAGCAGCACCCGAGCTGGAGCCGGAGC
 CAGAGCTGACTATGAGCCAGAGCCAGAGACAGCCCTGACTATGAGGATGTTGGGAGTTAGATCCGCA
 GGATGAGGATGCAGAGGGAGACTATGAGGATGTGCTGGAGCCCGAGGACACCCCTTCTCTGTCTACCAA
 GCTGGACCCTCAGCTGGGCTGGTGGTGGGGATCTCTGCTATAGCCCTGTATGATTACCAAGGAGAGG
 GAAGCGATGAGCTTCTTTGATCCAGATGACATCATCACTGACATTGAGATGGTGGATGAAGGCTGGT
 GCGGGGCCAATGCCGTGGCCACTTTGGACTTTTCCCTGCAAACATGTCAAGCTCCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207789 representing NM_008225
 Red=Cloning site Green=Tags(s)

MWKSVVGHDSVSVETQGDWDTPDFVNDISEKEQRWGAKTIEGSGRTEHINIHLRNKVSEHDILKK
 KELESGPKASHGYGGRFGVERDRMDKSAVGHEYVADVEKHSSQTDAAARGFGGKYGVERDRADKSAVGFDY
 KGEVEKHASQKDYSHGFGGRYGVKDKRDKAALGYDYKGETEKHESQRDYAKGFGGQYGIQKDRVDKSAV
 GFNEMEAPTTAYKKTPIEAASSGARGLKAKFESLAEERKREEEKAQQMARQQERKAVVKMSREVQQ
 PSMPEEPAAPAQLPKKISSEVWPPAESHLPPESQPVRSRREYPVPSLPTRQSPLQNHLEDNEPPALPP
 RTPEGLQVVEEPVYEAPELEPEPEPDYEPETEPDYEDVGELEDRQDEDAEGDYEDVLEPEDTPSLSYQ
 AGPSAGAGGAGISAIALYDYQEGSDELDFDPIITDIEMVDEGWWRGQCRGHFGLFPANVYKLL

TRTRPLE - GFP Tag - V

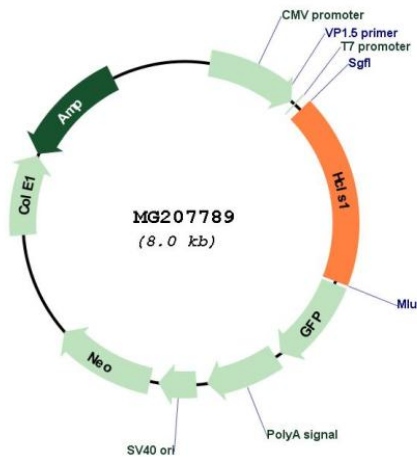
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008225

ORF Size: 1458 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: 2003 bp

RefSeq ORF: 1461 bp

Locus ID: 15163

UniProt ID: [P49710](#)

Cytogenetics: 16 B3

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]