

Product datasheet for **MC200941**

Hck (NM_010407) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hck (NM_010407) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hck
Synonyms:	A1849071; Bmk
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC010478 sequence for NM_010407
 CCCACGCGTCCGCCACGCGTCCGCCACGCGTCCGGCGCCACTGGGTTGCGGCTCCCAGCTTGCACTCC
 CCGCGGGCGTCTCAGACGGGTGGGAGGGGACCAAAGTCGCCCGTGAAGGGGGCTCTGACCCGTTCCGAG
 CGCCAACGCAGCCTCTGTAGCCCGCAAGTCTTCGTGCTGCTCCGGGCTCTGAAGTCCGGGGCCACCAG
 GGGCCGCAGCGCTGGGGGGTCCGTCTAGCTGCGAGGATCCGGGCTGCCACGAAGCGAAGGGCGGGCGCC
 CAGGATGGGATGCGTGAAGTCCAGGTTCCCTCCGAGATGGAAGCAAGGCCTCAAAAACAGAGCCAAGTGCC
 AATCAGAAGGGCCCTGTGTATGTGCCGGATCCCACGTCCTCCAGCAAGCTGGGACCAACAACAGCAACA
 GCATGCCCCAGGGTTTGTGGAGGGCTCTGAGGATACCATTGTGGTTCGCACTGTACGACTATGAGGCTAT
 TACCCTGAAGACCTCAGCTTCCAGAAGGGAGACCAGATGGTGGTTCTGGAGGAGCTGGGGAGTGGTGG
 AAGGCACGGTCCCTGGCTACCAAGAAGGAAGGCTACATCCCAAGCAACTATGTGGCTCGAGTTAACTCTT
 TGGAGACAGAAGAGTGGTTCTTCAAGGGGATCAGCCGGAAGGATGCAGAGCGCCACCTCTGGCTCCAGG
 CAACATGCTGGGCTCCTTCATGATCCGGGACAGTGAAGCACTATAAGATCCGGACGCTGGACAGTGGAGGCTTCT
 GACTTTGACCCACGACGGAGACCCGTGAAGCACTATAAGATCCGGACGCTGGACAGTGGAGGCTTCT
 ACATCTCTCAAGGAGCACCTTCCAGCAGCTGCAGGAACCTCGTGTCCACTACAAGAAGGGGAAGGATGG
 GCTCTGCCAGAAGCTGTCAAGTCCCTGTGTCTCCCAAACCCAGAAGCCATGGGAGAAAGATGCTTGG
 GAGATTCTCGAATCCCTCCAGATGGAGAAGAACTTGGAGCTGGGCAGTTTGGAGAAGTGTGGATGG
 CCACCTACAACAAGCACACCAAAGTGGCGGTGAAGACAATGAAGCCAGGGAGCATGTCCGTGGAGGCCTT
 CCTGGCTGAGGCCAACCTGATGAAGTCGCTGCAGCATGACAACTGGTGAAGCTACACGCTGTGGTCTCT
 CAGGAGCCCATCTTTATTGTACGGAGTTCATGGCCAAAGGAAGCCTGTGGACTTTCTCAAGAGTGAAG
 AAGGCAGCAAGCAGCCACTGCCAAAACCTATTGACTTCTCAGCCAGATCTCAGAAGGCATGGCCTTCAT
 TGAGCAGAGGAACATCCACCGAGACCTGAGGGCTGCCAACATCTTAGTCTCTGCATCACTGGTGTGT
 AAGATTGCTGACTTTGGACTGGCAGCAATCATCGAGGACAATGAGTACACAGCTCGGGAAGGAGCCAAGT
 TCCCCATCAAGTGGACAGCTCCTGAAGCCATCAACTTTGGTTCCCTCACCATCAAGTCAAGTGTCTGGTC
 CTTTGGTATCCTGCTGATGGAAAATTGTACCTATGGCCGGATCCCTTACCAGGTATGTCAAACCCAGAG
 GTGATTCCGGCACTAGAGCATGGGTACCGTATGCCTCGACCAGATAACTGTCCAGAAGAGCTCTACAATA
 TCATGATCCGCTGCTGGAAGAACCGCCCGAGGAACGGCCACCTTTGAATACATCCAGAGTGTGTGGA
 TGACTTCTACACGGCCACTGAGAGCCAGTATCAGCAGCAGCCTTGACAGCAGTAAGGACATGAGCAGAGC
 CAGAAGCCCCATCAGTGCCTTGACACGCCCAACTTGTGGGCCCACTCTCAGACACCACACCACACACAC
 TGCAGCTGTTGAGTGGTGGGAGGACTTACAATCTCTTCTGACTCTAGTCATCTGCAATCCGCCACTC
 TCAGGGCCTCAAGTTGGTATGTCTCATTTCCTGGAATGACTGAATTCAATCTATAGCTGTGATTTAAG
 TGGAACTGTTAGAATAGTATTTAAATAAAAGATATGAATGTCAAAGGCTTTCAAAAAAAAAAAAAAAAAAAAA AAAA

Restriction Sites: RsrII-NotI

ACCN: NM_010407

Insert Size: 1575 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [BC010478](#), [AAH10478](#)

RefSeq Size: 2104 bp

RefSeq ORF: 1575 bp

Locus ID: 15162

UniProt ID: [P08103](#)

Cytogenetics: 2 75.41 cM

Gene Summary: The protein encoded by this gene is a member of the Src family of tyrosine kinases. This protein is primarily hemopoietic, particularly in cells of the myeloid and B-lymphoid lineages. It may play a role in the innate immune response and the STAT5 signaling pathway. Alternative translation initiation site usage, including a non-AUG (CUG) codon, results in the production of two different isoforms, that have different subcellular localization. [provided by RefSeq, Feb 2010]

Transcript Variant: This transcript (1) encodes multiple isoforms due to the use of alternative translation initiation codons, as demonstrated in PMID:1875927. The longer isoform (p59Hck) is derived from an upstream non-AUG (CUG) start codon, while the shorter isoform (p56Hck) is derived from a downstream AUG start codon. The longer isoform (p59Hck) is represented in this RefSeq. CCDS Note: This CCDS ID represents the longer mouse Hck isoform, known as p59Hck, as described in PMID:1875927. This isoform initiates translation from a non-AUG (CUG) start codon that is well-conserved and present in a strong Kozak signal context. Alternative translation initiation from a downstream AUG start codon produces an isoform that is 21 aa shorter at the N-terminus. The shorter isoform, which is known as p56Hck, is represented by CCDS 50756.1. These isoforms exhibit distinct subcellular localization, as indicated in PMID:1875927.