

Product datasheet for **MR208418**

Hck (NM_001172117) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hck (NM_001172117) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hck
Synonyms:	A1849071; Bmk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR208418 representing NM_001172117
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

CTGGGGGGTCCGGTCTAGCTGCGAGGATCCGGGCTGCCACGAAGCGAAGGGCGGCCAGGATGGGAT
 GCGTGAAGTCCAGGTTCCCTCCGAGATGGAAGCAAGGCCTCAAAAACAGAGCCAAGTGCCAATCAGAAGGG
 CCCTGTGTATGTGCCGGATCCCACGTCCTCCAGCAAGCTGGGACCAAACAGCAACAGCATGCCCCCA
 GGGTTTGTGGAGGGCTCTGAGGATACCATTGTGGTTCGACTGTACGACTATGAGGCTATTCACCGTGAAG
 ACCTCAGCTTCCAGAAGGGAGACCAGATGGTGGTTCTGGAGGAGGCTGGGAGTGGTGAAGGCACGGTC
 CCTGGCTACCAAGAAGGAAGGCTACATCCCAAGCAACTATGTGGCTCGAGTTAACTCTTTGGAGACAGAA
 GAGTGGTTCTTCAAGGGGATCAGCCGGAAGGATGCAGAGCGCCACCTCCTGGCTCCAGGCAACATGCTGG
 GCTCCTTCATGATCCGGGACAGTGAAGCACTATAAGATCCGGACGCTGGACAGTGGAGGCTTCTACATCTCTCCA
 CCAGCACGGAGACACCGTGAAGCACTATAAGATCCGGACGCTGGACAGTGGAGGCTTCTACATCTCTCCA
 AGGAGCACCTTACGACGCTGCAGGAACCTCGTGCCTCACTACAAGAAGGGGAAGGATGGGCTCTGCCAGA
 AGCTGTACAGTGCCTGTGTGTCTCCCAAACCCAGAAGCCATGGGAGAAAAGATGCTTGGGAGATTCTCG
 AGAATCCCTCCAGATGGAGAAGAACTTGGAGCTGGGCAGTTTGGAGAAGTGTGGATGGCCACCTACAAC
 AAGCACACCAAAGTGGCGGTGAAGACAATGAAGCCAGGGAGCATGTCCGTGGAGGCTTCTCGGCTGAGG
 CCAACCTGATGAAGTCCGTCAGCATGACAACTGGTGAAGCTACACGCTGTGGTCTCTCAGGAGCCCAT
 CTTTATTGTCACGGAGTTCATGGCCAAAGGAAGCCTGCTGGACTTTCTCAAGAGTGAAGAAGGCAGCAAG
 CAGCCACTGCCAAAACCTATTGACTTCTCAGCCAGATCTCAGAAGGCATGGCCTTATTGAGCAGAGGA
 ACTACTCCACCGAGACCTGAGGGCTGCCAATCTTAGTCTCGCATCACTGGTGTGTAAGATTGCTGA
 CTTTGGACTGGCACGAATCATCGAGGACAATGAGTACACAGCTCGGGAAGGAGCCAAGTTCCCATCAAG
 TGGACAGCTCCTGAAGCCATCAACTTTGGTTCCTTACCATCAAGTCAAGTCAAGTGTCTGGTCTTTGGTATCC
 TGCTGATGGAAATTGTCACCTATGGCCGGATCCCTTACCAGGTATGTCAAACCCAGAGGTATTGGGGC
 ACTAGAGCATGGGTACCGTATGCCTCGACCAGATAACTGTCCAGAAGAGCTCTACAATATCATGATCCGC
 TGCTGGAAGAACCGCCCGAGGAACGGCCACCTTTGAATACATCCAGAGTGTGCTGGATGACTTCTACA
 CGGCCACTGAGAGCCAGTATCAGCAGCAGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208418 representing NM_001172117
 Red=Cloning site Green=Tags(s)

LGGRSSCEDPGCPRSEGRAPRMGCVKSRFLRDGSKASKTEPSANQKGPVYVPDPTSSSKLGPNNNSMPP
 GFVEGSEDTIVVALYDYEAHREDLSFQKGDQMVVLEEAGEWWKARSLATKKEGYIPSNYVARVNSLETE
 EWFVKGISRKDAERHLLAPGNMLGSFMIRDSETTKGSYSLSVRDFDPQHGDTVKHYKIRTLDSGGFYISP
 RSTFSSLQELVLHYKKGKDGKLCQKLSVPCVSPKPKPWEKDAWEIPRESLQMEKKLGAGQFGEVVMATYN
 KHTKVAVKTMKPGSMSVEAFLAEANLMKSLQHDKLVKLHVVVQEPFIFIVTEFMAKGSLLDFLKSEEGSK
 QPLPKLIDFSAQISEGMAFIEQRNYIHRDLRAANILVSASLVCKIADFLARIIEDNEYTAREGAKFPIK
 WTAPEAINFGSFTIKSDVWSFGILLMEIVTYGRIPYPGMSNPEVIRALEHGYRMPRPDNCPEELYNIMIR
 CWKNRPEERPTFEYIQSVLDDFYTATESQYQQQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001172117

ORF Size: 1572 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 Size: 2107 bp

RefSeq ORF: 1512 bp

Locus ID: 15162

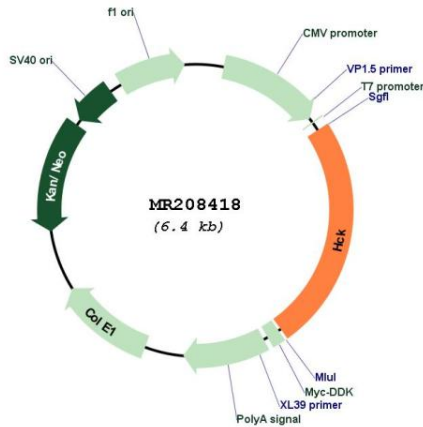
UniProt ID: [P08103](#)

Cytogenetics: 2 75.41 cM

MW: 57.4 kDa

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]

Product images:



Circular map for MR208418