

Product datasheet for **RN210580**

Hck (NM_013185) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hck (NM_013185) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hck
Synonyms:	Hctk; p56Hck; p59Hck
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210580 representing NM_013185
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

CTGGGGGGTCTGTCGAGCTGCGAGGATCCGGGCTGCCCGGAGGCGAAGGGCGGGTGCCAGGATGGGAT
 GTGTGAAGTCCAGGTTCCCTCCGAGAAGGAAGCAAGGCCTCAAAAATAGAGCCAAATGCCAACAGAAAGG
 CCCTGTGTATGTGCCGGATCCCACGTCCCTAAGAAGCTGGGACCGAACAGCATCAACAGCCTGCCCCCG
 GGGTCTGGAGGGCTCTGAGGACACCATTGTGGTTCGACTGTACGACTATGAGGCCATTACCCTGGAAG
 ACCTCAGCTTCCAGAAGGGAGACCAGATGGTGGTTCTGGAGGAGTCTGGGAGTGGTGGAAAGGCCGTTT
 CCTGGCTACCAAGAAAGAAGGCTATATCCCAAGCAATTATGTAGCTCGAGTTAACTCTTTGGAGACTGAG
 GAGTGGTTCTTCAAGGTATCAGCCGGAAGGATGCAGAGCGCCACCTGCTGGCTCCCGGGAACATGCTGG
 GCTCCTTCATGATCCGGGACAGTGAAGCATTATAAAATCCGGACACTGGACAGTGGAGGCTTCTACATCTCCG
 CCAGCACGGAGACACGGTGAAGCATTATAAAATCCGGACACTGGACAGTGGAGGCTTCTACATCTCTCCG
 AGGAGCACCTTACGACGCTGCAGGAATTTGTCGTCCTACAAGAAGGGGAAGGATGGGCTCTGCCAGA
 AGCTGTACAGTGCCTGTGTGCTCCCAAACCCAGAAGCCATGGGAGAAAGATGCCTGGGAGATTCTCG
 AGAATCCCTCCAGATGGAGAAGAACTGGGAGCCGGCAGTTTGGAGAAGTGTGGATGGCCACCTACAAC
 AAGCACACCAAAGTGGCGGTGAAGACAATGAAGCCAGGGAGCATGTCTGTGGAGGCTTCTGGCAGAGG
 CCAACCTGATGAAGACGTTACAGCATGATAAATGGTGAAGTGCACGCCGTGGTCTCTCAGGAGCCCAT
 CTTTATTGTCACCGAGTTCATGGCCAAAGGAAGCCTGCTGGACTTCTCAAGAGTGAAGAAGGCAGCAAG
 CAGCCACTGCCAAAACCTATTGACTTCTCAGCCAGATTTAGAGGGCATGGCTTTCATTGAGCAGAGGA
 ACTACATCCACCGAGACCTCCGGGCTGCCAACATCTTGGTTTCTGCATCACTGGTGTGAAGATCGTGA
 CTTTGGACTGGCACGGATCATCGAGGACAATGAGTACACAGCTCGGGAAGGAGCCAAAGTTCCCATCAAG
 TGGACAGTCTCTGAAGCCATCAACTTTGGCTCCTTACCATCAAGTCAAGTCAAGTGTCTGGTCTTTGGTATCC
 TGCTGATGGAAATCGTCACCTACGGCCGGATCCCTTACCAGGTATGTCAAACCCAGAGGTGATTCGAGC
 ACTAGAGCATGGGTACCGTATGCCTCGACCAGATAACTGCCAGAGGAGCTCTACAGTATCATGATCCGC
 TGCTGGAAGAACCGTCCAGAGGAACGGCCACTTTCGAATACATCCAGAGCGTGTGGATGACTTCTACA
 CGGCCACTGAGAGCCAGTATCAGCAGCAACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_013185
- 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: [NM_013185.3](#), [NP_037317.2](#)

RefSeq Size: 2081 bp

RefSeq ORF: 1575 bp

Locus ID: 25734

UniProt ID: [P50545](#)

Cytogenetics: 3q41

Gene Summary: The protein encoded by this gene is a protein-tyrosine kinase that is predominantly expressed in hemopoietic cell types. The encoded protein may help couple the Fc receptor to the activation of the respiratory burst. In addition, it may play a role in neutrophil migration and in the degranulation of neutrophils. Alternate translation initiation site usage, including a non-AUG (CUG) codon, results in the production of two different isoforms in human and mouse. Based on strong sequence conservation amongst these species, this may also be true for rat. [provided by RefSeq, Jul 2008]