

Product datasheet for **MG227049**

Hck (NM_010407) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hck (NM_010407) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hck
Synonyms:	A1849071; Bmk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG227049 representing NM_010407
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

CTGGGGGTCGGTCTAGCTGCGAGGATCCGGGCTGCCACGAAGCGAAGGGCGGCCAGGATGGGAT
 GCGTGAAGTCCAGGTTCCCTCCGAGATGGAAGCAAGGCCTCAAAAACAGAGCCAAGTGCCAATCAGAAGGG
 CCCTGTGTATGTGCCGGATCCCACGTCCTCCAGCAAGCTGGGACCAAACAGCAACAGCATGCCCCCA
 GGGTTTGTGGAGGGCTCTGAGGATACCATTGTGGTTCGACTGTACGACTATGAGGCTATTACCCTGAAG
 ACCTCAGCTTCCAGAAGGGAGACCAGATGGTGGTTCTGGAGGAGGCTGGGAGTGGTGAAGGCACGGTC
 CCTGGCTACCAAGAAGGAAGGCTACATCCCAAGCAACTATGTGGCTCGAGTTAACTCTTTGGAGACAGAA
 GAGTGGTTCTTCAAGGGATCAGCCGGAAGGATGCAGAGCGCCACCTCCTGGCTCCAGGCAACATGCTGG
 GCTCCTTCATGATCCGGGACAGTGAAGCACTATAAGATCCGGACGCTGGACAGTGGAGGCTTCTACATCTCTCCA
 CCAGCACGGAGACACCGTGAAGCACTATAAGATCCGGACGCTGGACAGTGGAGGCTTCTACATCTCTCCA
 AGGAGCACCTTACGACGCTGCAGGAACCTCGTGCCTCACTACAAGAAGGGGAAGGATGGGCTCTGCCAGA
 AGCTGTACAGTGCCTGTGTGTCTCCCAAACCCAGAAGCCATGGGAGAAAAGATGCTTGGGAGATTCTCG
 AGAATCCCTCCAGATGGAGAAGAACTTGGAGCTGGGCAGTTTGGAGAAGTGTGGATGGCCACCTACAAC
 AAGCACACCAAAGTGGCGGTGAAGACAATGAAGCCAGGGAGCATGTCCGTGGAGGCTTCTCTGGCTGAGG
 CCAACCTGATGAAGTTCGTCAGCATGACAACTGGTGAAGCTACACGCTGTGGTCTCTCAGGAGCCCAT
 CTTTATTGTCACGGAGTTCATGGCCAAAGGAAGCCTGCTGGACTTTCTCAAGAGTGAAGAAGGCAGCAAG
 CAGCCACTGCCAAAACCTATTGACTTCTCAGCCAGATCTCAGAAGGCATGGCCTTATTGAGCAGAGGA
 ACTACTCCACCGAGACCTGAGGGCTGCCAACATCTTAGTCTCTGCATCACTGGTGTGAAGATTGCTGA
 CTTTGGACTGGCACGAATCATCGAGGACAATGAGTACACAGCTCGGGAAGGAGCCAAGTTCCCCATCAAG
 TGGACAGCTCCTGAAGCCATCAACTTTGGTTCCTTACCATCAAGTCAAGTCAAGTGTCTGGTCTTTGGTATCC
 TGCTGATGGAAATTGTCACCTATGGCCGGATCCCTTACCAGGTATGTCAAACCCAGAGGTATTGCGGGC
 ACTAGAGCATGGGTACCGTATGCCTCGACCAGATAACTGTCCAGAAGAGCTCTACAATATCATGATCCGC
 TGCTGGAAGAACCGCCCGAGGAACGGCCACCTTGAATACATCCAGAGTGTGCTGGATGACTTCTACA
 CGGCCACTGAGAGCCAGTATCAGCAGCAGCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG227049 representing NM_010407
 Red=Cloning site Green=Tags(s)

LGGRSSCEDPGCPRSEGRAPRMGCVKSRFLRDGSKASKTEPSANQKGPVYVPDPTSSSKLGPNNNSMPP
 GFVEGSEDTIVVALYDYEAIHREDLSFQKGDQMVVLEEAGEWVKARSLATKKEGYIPSNYVARVNSLETE
 EWFVKGISRKDAERHLLAPGNMLGSFMIRDSETTKGSYLSVRDFDPQHGDVVKHYKIRTLDSGGFYISP
 RSTFSSLQELVLHYKKGKDGKLCQKLSVPCVSPKPKPWEKDAWEIPRESLQMEKLLGAGQFGEVWMATYN
 KHTKVAVKTMKPGSMSVEAFLAEANLMSLQHDKLVKLHAVVSQEPFIVTEFMAKGSLLDFLKSEEGSK
 QPLPKLIDFSAQISEGMAFIEQRNYIHRDLRAANILVSASLVCKIADFLARIIEDNEYTAREGAKFPK
 WTAPEAINFGSFTIKSDVWSFGILLMEIVTYGRIPYPGMSNPEVIRALEHGYRMPRPDNCPEELYNIMIR
 CWKNRPEERPTFEYIQSVLDDFYTATESQYQQQP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_010407
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:	<ol style="list-style-type: none">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_010407.4 , NP_034537.2
RefSeq Size:	2107 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]