

HCK cDNA

Catalog Number: ATGD0014

PRODUCT INFORMATION

Catalog number

ATGD0014

Product type

cDNA

Species

Human

NCBI Accession No.

NP_002101.2

Alternative Names

Tyrosine-protein kinase HCK, HCK proto-oncogene, Src family tyrosine kinase, Hemopoietic cell kinase, JTK9, Hemopoietic cell kinase, p59-HCK/p60-HCK, p59Hck, p61Hck

mRNA Refseq

NM_002110.3

OMIM

142370

Chromosome location

20q11-q12

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1581bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted Nde I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

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General Description

HCK 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 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. Multiple isoforms with different subcellular distributions are produced due to both alternative splicing and the use of alternative translation initiation codons, including a non-AUG (CUG) codon.

DATA

Sequence nucleotides

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CTGGGGGGGGC GCTCAAGCTG CGAGGATCCG GGCTGCCCCG GAGACGAGGA GCGGGCGCCC AGGATGGGGT
GCATGAAGTC CAAGTTCCTC CAGGTCGGAG GCAATACATT CTCAAAAAC TAAACCAGCG CCAGCCCACA
CTGTCCTGTG TACGTGCCGG ATCCACATC CACCATCAAG CCGGGGCCTA ATAGCCACAA CAGCAACACA
CCAGGAATCA GGGAGGCAGG CTCTGAGGAC ATCATCGTGG TTGCCCTGTA TGATTACGAG GCCATTACC
ACGAAGACCT CAGCTTCCAG AAGGGGGACC AGATGGTGGT CCTAGAGGAA TCCGGGGAGT GGTGGAAGGC
TCGATCCCTG GCCACCCGGA AGGAGGGCTA CATCCCAAGC AACTATGTCG CCCGCGTTGA CTCTCTGGAG
ACAGAGGAGT GGTTTTTCAA GGGCATCAGC CGGAAGGACG CAGAGCGCCA ACTGCTGGCT CCCGGCAACA
TGCTGGGCTC CTTTCATGATC CGGGATAGCG AGACCACTAA AGGAAGCTAC TCTTTGTCCG TGCGAGACTA
CGACCCTCGG CAGGGAGATA CCGTGAAACA TTACAAGATC CGGACCCTGG ACAACGGGGG CTTCTACATA
TCCCCCGAA GCACCTTCAG CACTCTGCAG GAGCTGGTGG ACCACTACAA GAAGGGGAAC GACGGGCTCT
GCCAGAAACT GTCGGTGCCC TGCATGTCTT CCAAGCCCCA GAAGCCTTGG GAGAAAGATG CCTGGGAGAT
CCCTCGGGAA TCCCTCAAGC TGGAGAAGAA ACTTGAGGCT GGGCAGTTTG GGAAGTCTG GATGGCCACC
TACAACAAGC ACACCAAGGT GGCAGTGAAG ACGATGAAGC CAGGGAGCAT GTCGGTGGAG GCCTTCCTGG
CAGAGGCCAA CGTGATGAAA ACTCTGCAGC ATGACAAGCT GGTCAAACCT CATGCGGTGG TCACCAAGGA
GCCCATCTAC ATCATCACGG AGTTCATGGC CAAAGGAAGC TTGCTGGACT TTCTGAAAAG TGATGAGGGC
AGCAAGCAGC CATTGCCAAA ACTCATTGAC TTCTCAGCCC AGATTGCAGA AGGCATGGCC TTCATCGAGC
AGAGGAACTA CATCCACCGA GACCTCCGAG CTGCCAACAT CTTGGTCTCT GCATCCCTGG TGTGTAAGAT
TGCTGACTTT GGCCTGGCCC GGGTCATTGA GGACAACGAG TACACGGCTC GGAAGGGGC CAAGTTCCCC
ATCAAGTGGA CAGCTCCTGA AGCCATCAAC TTTGGCTCCT TCACCATCAA GTCAGACGTC TGGTCCTTTG
GTATCCTGCT GATGGAGATC GTCACCTACG GCCGGATCCC TTACCCAGGG ATGTCAAACC CTGAAGTGAT
CCGAGCTCTG GAGCGTGGAT ACCGGATGCC TCGCCAGAG AACTGCCAG AGGAGCTCTA CAACATCATG
ATGCGCTGCT GGAAAAACCG TCCGGAGGAG CGGCCGACCT TCGAATACAT CCAGAGTGTG CTGGATGACT
TCTACACGGC CACAGAGAGC CAGTACCAAC AGCAGCCATG A
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Transaction Sequence

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LGGRSSCEDP GCPRDEERAP RMGCMKSKFL QVGGNTFSKT ETSASPHCPV YVPDPTSTIK PGPNSHNSNT PGIREAGSED
IIVALYDYE AIHHEDLSFQ KGDQMVVLEE SGEWWKARSL ATRKEGYIPS NYVARVDSLE TEEWFFKGIS RKDAERQLLA
PGNMLGSFMI RDSETTKGSY SLSVRDYDPR QGDTVKHYKI RTLDNGGFYI SPRSTFSTLQ ELVDHYKKN DGLCQKLSVP
CMSSKPQKPW EKDAWEIPRE SLKLEKLLGA QGFGEVWMAT YNKHTKVAVK TMKPGSMSVE AFLAEANVMK TLQHDKLVKL
HAVVTKPIY IITEFMAKGS LLDLFLKSDEG SKQPLPKLID FSAQIAEGMA FIEQRNYIHR DLRAANILVS ASLVCKIADF
GLARVIEDNE YTAREGAKFP IKWTAPEAIN FGSFTIKSDV WSFGILLMEI VTYGRIPYPG MSNPEVIRAL ERGYRMPRPE
NCPEELYNIM MRCWKNRPEE RPTFEYIQSV LDDFYTATES QYQQQP
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