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

CTGGGGGGGC GCTCAAGCTG CGAGGATCCG GGCTGCCCGC GAGACGAGGA GCGGGCGCCC AGGATGGGGT
GCATGAAGTC CAAGTTCCTC CAGGTCGGAG GCAATACATT CTCAAAAACT GAAACCAGCG CCAGCCCACA
CTGTCCTGTG TACGTGCCGG ATCCCACATC CACCATCAAG CCGGGGCCTA ATAGCCACAA CAGCAACACA
CCAGGAATCA GGGAGGCAGG CTCTGAGGAC ATCATCGTGG TTGCCCTGTA TGATTACGAG GCCATTCACC
ACGAAGACCT CAGCTTCCAG AAGGGGGACC AGATGGTGGT CCTAGAGGAA TCCGGGGAGT GGTGGAAGGC
TCGATCCCTG GCCACCCGGA AGGAGGGCTA CATCCCAAGC AACTATGTCG CCCGCGTTGA CTCTCTGGAG
ACAGAGGAGT GGTTTTTCAA GGGCATCAGC CGGAAGGACG CAGAGCGCCA ACTGCTGGCT CCCGGCAACA
TGCTGGGCTC CTTCATGATC CGGGATAGCG AGACCACTAA AGGAAGCTAC TCTTTGTCCG TGCGAGACTA
CGACCCTCGG CAGGGAGATA CCGTGAAACA TTACAAGATC CGGACCCTGG ACAACGGGGG CTTCTACATA
TCCCCCCGAA GCACCTTCAG CACTCTGCAG GAGCTGGTGG ACCACTACAA GAAGGGGAAC GACGGGCTCT
GCCAGAAACT GTCGGTGCCC TGCATGTCTT CCAAGCCCCA GAAGCCTTGG GAGAAAGATG CCTGGGAGAT
CCCTCGGGAA TCCCTCAAGC TGGAGAAGAA ACTTGGAGCT GGGCAGTTTG GGGAAGTCTG GATGGCCACC
TACAACAAGC ACACCAAGGT GGCAGTGAAG ACGATGAAGC CAGGGAGCAT GTCGGTGGAG GCCTTCCTGG
CAGAGGCCAA CGTGATGAAA ACTCTGCAGC ATGACAAGCT GGTCAAACTT 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 GGGAAGGGGC CAAGTTCCCC
ATCAAGTGGA CAGCTCCTGA AGCCATCAAC TTTGGCTCCT TCACCATCAA GTCAGACGTC TGGTCCTTTG
GTATCCTGCT GATGGAGATC GTCACCTACG GCCGGATCCC TTACCCAGGG ATGTCAAACC CTGAAGTGAT
CCGAGCTCTG GAGCGTGGAT ACCGGATGCC TCGCCCAGAG AACTGCCCAG AGGAGCTCTA CAACATCATG
ATGCGCTGCT GGAAAAACCG TCCGGAGGAG CGGCCGACCT TCGAATACAT CCAGAGTGTG CTGGATGACT
TCTACACGGC CACAGAGAGC CAGTACCAAC AGCAGCCATG A

Transaction Sequence

LGGRSSCEDP GCPRDEERAP RMGCMKSKFL QVGGNTFSKT ETSASPHCPV YVPDPTSTIK PGPNSHNSNT PGIREAGSED
IIVVALYDYE AIHHEDLSFQ KGDQMVVLEE SGEWWKARSL ATRKEGYIPS NYVARVDSLE TEEWFFKGIS RKDAERQLLA
PGNMLGSFMI RDSETTKGSY SLSVRDYDPR QGDTVKHYKI RTLDNGGFYI SPRSTFSTLQ ELVDHYKKGN DGLCQKLSVP
CMSSKPQKPW EKDAWEIPRE SLKLEKKLGA GQFGEVWMAT YNKHTKVAVK TMKPGSMSVE AFLAEANVMK TLQHDKLVKL
HAVVTKEPIY IITEFMAKGS LLDFLKSDEG SKQPLPKLID FSAQIAEGMA FIEQRNYIHR DLRAANILVS ASLVCKIADF
GLARVIEDNE YTAREGAKFP IKWTAPEAIN FGSFTIKSDV WSFGILLMEI VTYGRIPYPG MSNPEVIRAL ERGYRMPRPE
NCPEELYNIM MRCWKNRPEE RPTFEYIQSV LDDFYTATES QYQQQP