

NCK2 cDNA

Catalog Number: ATGD0001

PRODUCT INFORMATION

Catalog number

ATGD0001

Product type

cDNA

Species

Human

NCBI Accession No.

NP_003572.2

Alternative Names

GRB4, NCKbeta, NCK beta

mRNA Refseq

NM_003581.4

OMIM

604930

Chromosome location

2q12

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1143bp

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 BamH 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)

General Description

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NCK2 is a member of the NCK family of adaptor proteins. The protein contains three SH3 domains and one SH2 domain. The protein has no known catalytic function but has been shown to bind and recruit various proteins involved in the regulation of receptor protein tyrosine kinases. It is through these regulatory activities that this protein is believed to be involved in cytoskeletal reorganization. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

DATA

Sequence nucleotides

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ATGACAGAAG AAGTTATTGT GATAGCCAAG TGGGACTACA CCGCCCAGCA GGACCAGGAG CTGGACATCA
AGAAGAACGA GCGGCTGTGG TTGCTGGACG ACTCCAAGAC GTGGTGGCGG GTGAGGAACG CGGCCAACAG
GACGGGCTAT GTACCGTCCA ACTACGTGGA GCGGAAGAAC AGCCTGAAGA AGGGCTCCCT CGTGAAGAAC
CTGAAGGACA CACTAGGCCT CGGCAAGACG CGCAGGAAGA CCAGCGCGCG GGATGCGTCC CCCACGCCCA
GCACGGACGC CGAGTACCCC GCCAATGGCA GCGGCGCCGA CCGCATCTAC GACCTCAACA TCCCGGCCTT
CGTCAAGTTC GCCTATGTGG CCGAGCGGGA GGATGAGTTG TCCCTGGTGA AGGGGTCGCG CGTCACCGTC
ATGGAGAAGT GCAGCGACGG TTGGTGGCGG GGCAGCTACA ACGGGCAGAT CGGCTGGTTC CCCTCCAAC
ACGTCTTGGA GGAGGTGGAC GAGGCGGCTG CGGAGTCCCC AAGCTTCCTG AGCCTGCGCA AGGGCGCCTC
GCTGAGCAAT GGCCAGGGCT CCCGCGTGCT GCATGTGGTC CAGACGCTGT ACCCCTTCAG CTCAGTCACC
GAGGAGGAGC TCAACTTCGA GAAGGGGGAG ACCATGGAGG TGATTGAGAA GCCGGAGAAC GACCCCGAGT
GGTGGAAATG CAAAAATGCC CGGGGCCAGG TGGGCCTCGT CCCCAAAAAC TACGTGGTGG TCCTCAGTGA
CGGGCCTGCC CTGCACCCTG CGCACGCCCC ACAGATAAGC TACACGGGGC CCTCGTCCAG CGGGCGCTTC
GCGGGCAGAG AGTGGTACTA CGGGAACGTG ACGCGGCACC AGGCCGAGTG CGCCCTCAAC GAGCGGGGCG
TGGAGGGCGA CTTCTCATT AGGGACAGCG AGTCCTCGCC CAGCGACTTC TCCGTGTCCC TAAAGCGTC
AGGGAAGAAC AAACAATTCA AGGTGCAGCT CGTGGACAAT GTCTACTGCA TTGGGCAGCG GCGCTTCCAC
ACCATGGACG AGCTGGTGGA AACTACAAA AAGGCGCCCA TCTTACCAG CGAGCACGGG GAGAAGCTCT
ACCTCGTCAG GGCCCTGCAG TGA
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Transaction Sequence

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MTEEVIVIAK WDYTAQQDQE LDIKKNERLW LLDDSKTWWR VRNAANRTGY VPSNYVERKN SLKKGSLVKN LKDTLGLGKT
RRKTSARDAS PTPSTDAEYP ANSGADRIY DLNIPAFVKF AYVAEREDEL SLVKGSRTV MEKCSGDGWWR GSYNGQIGWF
PSNYVLEEVD EAAAESPSFL SLRKGASLSN GQGSRLHV VQTLYPFSSVT EEELNFEKGE TMEVIEKPEN DPEWWKCKNA
RGQVGLVPKN YVVVLSDGPA LHPAHAPQIS YTGPSSSGRF AGREWYGNV TRHQAECALN ERGVEGDFLI RDESSPSDF
SVSLKASGKN KHFKVQLVDN VYCIGQRRFH TMDELVEHYK KAPIFTSEHG EKLYLVRLQ
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