NCK2 cDNA

Catalog Number: ATGD0001

PRODUCT INFORMATION

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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 transcriptiona splice variants, encoding different isoforms, have been characterized.

DATA

Sequence nucleotides

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 CCCTCCAACT
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 TACACCGGGC CCTCGTCCAG CGGGCGCTTC
GCGGGCAGAG AGTGGTACTA CGGGAACGTG ACGCGGCACC AGGCCGAGTG CGCCCTCAAC GAGCGGGGCG
TGGAGGGCGA CTTCCTCATT AGGGACAGCG AGTCCTCGCC CAGCGACTTC TCCGTGTCCC TTAAAGCGTC
AGGGAAGAAC AAACACTTCA AGGTGCAGCT CGTGGACAAT GTCTACTGCA TTGGGCAGCG GCGCTTCCAC
ACCATGGACG AGCTGGTGGA ACACTACAAA AAGGCGCCCA TCTTCACCAG CGAGCACGGG GAGAAGCTCT
ACCTCGTCAG GGCCCTGCAG TGA

Transaction Sequence

MTEEVIVIAK WDYTAQQDQE LDIKKNERLW LLDDSKTWWR VRNAANRTGY VPSNYVERKN SLKKGSLVKN LKDTLGLGKT
RRKTSARDAS PTPSTDAEYP ANGSGADRIY DLNIPAFVKF AYVAEREDEL SLVKGSRVTV MEKCSDGWWR GSYNGQIGWF
PSNYVLEEVD EAAAESPSFL SLRKGASLSN GQGSRVLHVV QTLYPFSSVT EEELNFEKGE TMEVIEKPEN DPEWWKCKNA
RGQVGLVPKN YVVVLSDGPA LHPAHAPQIS YTGPSSSGRF AGREWYYGNV TRHQAECALN ERGVEGDFLI RDSESSPSDF
SVSLKASGKN KHFKVQLVDN VYCIGQRRFH TMDELVEHYK KAPIFTSEHG EKLYLVRALQ