

DOK4 cDNA

Catalog Number: ATGD0155

PRODUCT INFORMATION

Catalog number

ATGD0155

Product type

cDNA

Species

Human

NCBI Accession No.

NP_060580.2

Alternative Names

IRS-5, IRS5

mRNA Refseq

NM_018110.3

OMIM

608333

Chromosome location

16q21

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

981bp

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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DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK4 functions in RET-mediated neurite outgrowth and plays a positive role in activation of the MAP kinase pathway (By similarity). Putative link with downstream effectors of RET in neuronal differentiation. May be involved in the regulation of the immune response induced by T-cells.

DATA

Sequence nucleotides

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ATGGCGACCAATTTCAAGCAAGGCTACGTGAAGATGAAGAGCAGGAAGCTCGGGATCTACCGGAGGTG
CTGGCTGGTGTTCGGAAATCCTCCAGCAAGGGGCCCCAGCGGCTGGAGAAGTATCCAGATGAGAAGTCGGTGTGCCTCC
GGGGCTGCCCCAAGGTGACTGAGATCAGCAACGTCAAGTGTGTTACGCGGCTCCCCAAGGAGACCAAGCGGCAGGCGGT
GGCCATCATATTTCACTGATGACTCGGCACGTACCTTACCTGCGACTCAGAGCTAGAGGCAGAGGAGTGGTACAAGACACT
ATCTGTGGAGTGTCTGGGGTCCCGCCTCAACGACATCAGTCTGGGAGAACCTGACCTCCTGGCCCCAGGGGTGCAGTGTG
AACAGACAGATCGCTTCAATGTCTTCTGCTGCCCTGCCCCAACCTGGACGTGTATGGCGAGTGCAAGCTGCAGATCACCC
ACGAGAACATCTACCTCTGGGACATCCACAACCCCCGTGTGAAGCTCGTCTCGTGGCCCCCTCTGCTCACTGCGCCGCTATG
GCCGGGATGCCACACGCTTTACCTTCGAGGCTGGCCGGATGTGTGATGCTGGGGAAGGACTCTATACCTTCCAGACACAAG
AGGGGGAGCAGATTTACCAGCGCGTCCACAGTGCCACCCTGGCCATCGCAGAGCAGCACAAGCGGGTCTCTGCTGGAAATG
GAGAAGAACGTGAGGCTGCTGAACAAGGGCACGGAACATTACTCGTATCCCTGCACACCCACGACCATGCTGCCGCGCAG
TGCCTACTGGCACCACATCACTGGTTCCCAGAACATCGCCGAAGCCTCCAGCTATGCTGGTGAGGGGTATGGGGCAGCCCA
GGCCAGCTCGGAAACAGACCTCCTCAACAGATTATCCTGCTAAAGCCAAAGCCCAGCCAGGGGGACAGCAGTGAGGCCA
AGACCCCATCCCAGTGA
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Transaction Sequence

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MATNFSDIVK QGYVKMKSRK LGIYRRCWL V FRKSSSKGPQ RLEKYPDEKS VCLRGCPKVTEISNVKCVTR LPKETKRQAV
AIIFTDD SAR TFTCDSELEA EEWYKTL SVE CLGSRLNDISLGEPDLLAPG VQCEQTD RFN VFLLPCPNLD VYGECKLQIT
HENIYLWDIH NPRVKLVSWPLCSLRRYGRD ATRFTFEAGR MCDAGEGLYT FQTQEGEQIY QRVHSATLAI
AEQHKRVLLEMEKNVRLLNK GTEHYSYPCT PTTMLPR SAY WHHITGSQNI AEASSYAGEG YGAAQASSETDLLNRFILLK
PKPSQGD SSE AKTPSQ
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