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GenBank: AY267371.1

Homo sapiens NIMA-family kinase NEK8 (NEK8) mRNA, complete cds

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Features Sequence

BLAST Sequence

Find regions of similarity between this sequence and other sequences using BLAST.

LOCUS AY267371 2079 bp mRNA linear PRI 01-MAY-2003

DEFINITION Homo sapiens NIMA-family kinase NEK8 (NEK8) mRNA, complete cds.

ACCESSION AY267371

VERSION AY267371.1 GI:30026014

KEYWORDS

SOURCE Homo sapiens (human)

Pick Primers

Design and test primers for this sequence using Primer-BLAST.

ORGANISM

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini; Catarrhini; Hominidae; Homo.

Articles about NEK8

NEK8 mutations affect ciliary and centrosomal localization of the cilia protein...

Systematic identification of SH3 domain-mediated human protein-protein interactions.

Nek8 mutation causes overexpression of galectin-1, which is critical for intestinal...

» See all...

REFERENCE

1 (bases 1 to 2079) Nedwidek, M.N., Roig, J., Lenz, G. and Avruch, J. NIMA-family kinase Nek8 complete human coding region

JOURNAL Unpublished

REFERENCE

2 (bases 1 to 2079) Nedwidek, M.N., Roig, J., Lenz, G. and Avruch, J.

TITLE Direct Submission

JOURNAL

Submitted (02-APR-2003) Massachusetts General Hospital Molecular Biology, Harvard Medical School, 50 Blossom Street, Wellman 11th Floor, Boston, MA 02114, USA

FEATURES

Location/Qualifiers

source

1..2079

/organism="Homo sapiens"

Reference sequences

gene

CDS

/mol\_type="mRNA" /db\_xref="taxon:9606" /chromosome="17" /map="17q11.1" /clone\_lib="Clontech Homo sapiens Placental MTC tissue panel Cat No. K1420-1" 1..2079

/gene="NEK8"

1..2079

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/note="Never In Mitosis gene A family protein kinase; regulator of chromosome condensation 1"

/codon\_start=1

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misc\_feature

1..777

/gene="NEK8"

/note="Region: protein kinase domain"

misc\_feature

934..2076

/gene="NEK8"

/note="Region: RCC1 domain"

mRNA

Protein

More about the NEK8 gene

This gene encodes a member of the serine/threonine protein kinase family related to NIMA (never in mitosis, gene A) of Aspergillus nidulans...

Also Known As: JCK, MGC138445, NEK12A,...

Homologs of NEK8

The NEK8 gene is conserved in chimpanzee, dog, cow, mouse, rat, chicken, zebrafish, fruit fly, mosquito, and C.elegans.

Order cDNA Clone

The NIH MGC Collection contains a sequence-verified cDNA clone for NEK8.