

RGN cDNA

Catalog Number: ATGD0232

PRODUCT INFORMATION

Catalog number

ATGD0232

Product type

cDNA

Species

Human

NCBI Accession No.

NP_690608.1

Alternative Names

GNL, HEL-S-41, RC, SMP30

mRNA Refseq

NM_152869

OMIM

300212

Chromosome location

Xp11.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

900bp

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)

General Description

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RGN is a highly conserved, calcium-binding protein, that is preferentially expressed in the liver and kidney. It may have an important role in calcium homeostasis. Studies in rat indicate that this protein may also play a role in aging, as it shows age-associated down-regulation. This gene is part of a gene cluster on chromosome Xp11. 3-Xp11. 23. Alternative splicing results in multiple transcript variants.

DATA

Sequence nucleotides

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ATGTCTTCCATTAAGATTGAGTGTGTTTTGCCAGAGAACTGCCGGTGTGGTGAGTCTCCAGTATGGGAGGAAGTGTCCAAC
CTCTGCTCTTTGTAGACATTCCTGCAAAAAAGGTTTGCCGGTGGGATTCAATCACCAAGCAAGTACAGCGAGTGACCATGGA
TGCCCCAGTCAGCTCCGTGGCTCTTCGCCAGTCGGGAGGCTATGTTGCCACCATTGGAACAAAGTTCTGTGCTTTGAACTG
GAAAGAACAATCAGCAGTTGTCTTGCCACGGTGGATAACGACAAGAAAAACAATCGCTTCAATGATGGGAAGGTGGATCC
CGCCGGGAGGTACTTTGCTGGCACCATGGCTGAGGAAACAGCTCCAGCAGTTCTTGAGCGGCACCAGGGGGCCCTGTACT
CCCTCTTTCCTGATCACCACGTGAAAAAGTACTTTGACCAGGTGGACATTTCCAATGGTTTGGATTGGTCGCTAGACCACAA
AATCTTCTATTACATTGACAGCCTGTCCTACTCCGTGGATGCCTTTGACTATGACCTGCAGACAGGACAGATCTCCAACCGC
AGAAGTGTTTACAAGCTAGAAAAGGAAGAACAATCCCAGATGGAATGTGTATTGATGCTGAGGGGAAGCTCTGGGTGGCC
TGTTACAATGGAGGAAGAGTGATTGTTTTAGATCCTGTGACAGGGAAAAGACTTCAAAGTGTGAAGTTGCCTGTTGATAAAA
CAACTTCATGCTGCTTTGGAGGGAAGAATTACTCTGAAATGTATGTGACCTGCGCCCGGGATGGGATGGACCCCGAGGGTC
TTTTGAGGCAACCTGAAGCTGGTGGAAATTTCAAGATAACTGGTCTGGGGGTCAAAGGAATTGCTCCCTACTCCTATGCGGG
ATGA
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Transaction Sequence

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MSSIKIECVL PENCRCGESP VWEVSNLL FVDIPAKKVC RWDSFTKQVQ RVTMDAPVSS VALRQSGGYV ATIGTKFCAL
NWKEQSAVVL ATVDNDKKNR RFNDGKVDPA GRYFAGTMAE ETAPAVLERH QGALYSLFPD HHVKKYFDQV DISNGLDWSL
DHKIFYIIDS LSYSVDAFDY DLQTGQISNR RSVYKLEKEE QIPDGMCI DA EGKLWVACYN GGRVIRLDPV TGKRLQTVKL
PVDKTTSCCF GGKNYSEMYV TCARDGMDPE GLLRQPEAGG IFKITGLGVK GIAPYSYAG
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