

S100Z cDNA

Catalog Number: ATGD0050

PRODUCT INFORMATION

Catalog number

ATGD0050

Product type

cDNA

Species

Human

NCBI Accession No.

NP_570128.2

Alternative Names

Gm625, S100-zeta

mRNA Refseq

NM_130772.3

OMIM

610103

Chromosome location

5q13.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

300bp

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 Hind III. 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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S100 calcium binding protein Z, also known as S100Z, is member of the S100 protein family. S100 proteins are small dimeric members of the EF-hand superfamily of Ca (2+) binding proteins thought to participate in mediating intracellular Ca (2+) signals by binding to and thereby regulating target proteins in a Ca (2+) - dependent manner. There are differences in the expression level of S100Z mRNA in various tissues. The highest levels were found in spleen and leukocytes. S100Z gene expression appears to be deregulated in some tumor tissues, compared to expression in their normal counterparts.

DATA

Sequence nucleotides

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ATGCCCACCC AGCTCGAGAT GGCCATGGAC ACCATGATTA GAATCTTCCA CCGCTATTCT GGCAAGGAAA  
GGAAGAGATT CAAGCTCAGC AAGGGGGAAC TGAAACTGCT CCTGCAGCGA GAGCTCACGG AATTCCTCTC  
GTGCCAAAAG GAAACCCAGT TGGTTGATAA GATAGTGCAG GACCTGGATG CCAATAAGGA CAACGAAGTG  
GATTTTAATG AATTCGTGGT CATGGTGGCA GCTCTGACAG TTGCTTGTA TATTACTTT GTAGAACAAT  
TGAAGAAGAA AGGAAAATAA
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Transaction Sequence

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MPTQLEMAMD TMIRIFHRYS GKERKRFKLS KGELKLLLQR ELTEFLSCQK ETQLVDKIVQ DLDANKDNEV DFNEFVVMVA  
ALTVACNDYF VEQLKKKKGK
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