

DNAJB9 cDNA

Catalog Number: ATGD0087

PRODUCT INFORMATION

Catalog number

ATGD0087

Product type

cDNA

Species

Human

NCBI Accession No.

NP_036460.1

Alternative Names

ERdj4, MDG-1, MDG1, MST049, MSTP049

mRNA Refseq

NM_012328.2

OMIM

602634

Chromosome location

7q31

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

672bp

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 EcoR 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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DNAJB9 is a member of the J protein family. J proteins function in many cellular processes by regulating the ATPase activity of 70 kDa heat shock proteins. This gene is a member of the type 2 subgroup of DnaJ proteins. The encoded protein is localized to the endoplasmic reticulum. This protein is induced by endoplasmic reticulum stress and plays a role in protecting stressed cells from apoptosis.

DATA

Sequence nucleotides

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ATGGCTACTC CCCAGTCAAT TTTCATCTTT GCAATCTGCA TTTTAATGAT AACAGAATTA ATTCTGGCCT CAAAAAGCTA
CTATGATATC TTAGGTGTGC CAAAATCGGC ATCAGAGCGC CAAATCAAGA AGGCCTTTCA CAAGTTGGCC
ATGAAGTACC ACCCTGACAA AAATAAGAGC CCGGATGCTG AAGCAAATT CAGAGAGATT GCAGAAGCAT
ATGAAACACT CTCAGATGCT AATAGACGAA AAGAGTATGA TACACTTGGA CACAGTGCTT TTACTAGTGG
TAAAGGACAA AGAGGTAGTG GAAGTTCTTT TGAGCAGTCA TTTAACTTCA ATTTTGATGA CTTATTTAAA GACTTTGGCT
TTTTTGGTCA AAACCAAAAC ACTGGATCCA AGAAGCGTTT TGAAAATCAT TTCCAGACAC GCCAGGATGG
TGGTCCAGT AGACAAAGGC ATCATTTCCA AGAATTTTCT TTTGGAGGTG GATTATTTGA TGACATGTTT
GAAGATATGG AGAAAATGTT TTCTTTTAGT GGTTTTGACT CTACCAATCA GCATACAGTA CAGACTGAAA
ATAGATTTCA TGGATCTAGC AAGCACTGCA GGACTGTCAC TCAACGAAGA GGAAATATGG TTACTACATA
CACTGACTGT TCAGGACAGT AG
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Transaction Sequence

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MATPQSIFIF AICILMITEL ILASKSYDI LGVPKSASER QIKKAFHKLA MKYHPDKNKS PDAEAKFREI AEAYETLSDA
NRRKEYDTLG HSAFTSGKGQ RSGSSFEQS FNFNFDLFLK DFGFFGQNNQ TGSKKRFENH FQTRQDGGSS RQRHHFQEFS
FGGGLFDDMF EDMEKMFSFS GFDSTNQHTV QTENRFHGSS KHCRTVTQRR GNMVTTYTDC SGQ
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