

DNAJB8 cDNA

Catalog Number: ATGD0086

PRODUCT INFORMATION

Catalog number

ATGD0086

Product type

cDNA

Species

Human

NCBI Accession No.

NP_699161.1

Alternative Names

DJ6

mRNA Refseq

NM_153330.2

OMIM

611337

Chromosome location

3q21.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

699bp

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

DNAJB8 cDNA

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DNAJB8, also known as dnaj homolog subfamily B member 8, is superior suppressors of aggregation and toxicity of disease-associated polyglutamine proteins. DNAJB8 is (de) acetylated at two conserved C-terminal lysines that are not involved in substrate binding, but do play a role in suppressing protein aggregation.

DATA

Sequence nucleotides

```
ATGGCTAACT ACTACGAAGT GCTGGGCGTG CAGGCCAGCG CTTCCCCGGA GGACATCAAG AAAGCCTACC  
GCAAGCTGGC CCTTCGTTGG CACCCCGACA AGAACCCCTGA CAATAAGGAG GAGGCGGAGA AGAAGTTCAA  
GCTGGTGTCT GAGGCCTATG AGGTTCTGTC TGACTIONAAG AAACGCTCCC TGTATGACCG TGCTGGCTGT  
GACAGCTGGC GGGCTGGTGG CGGGGCCAGC ACGCCCTACC ACAGCCCCTT CGACACCGGC TACACCTTCC  
GTAACCCTGA GGACATCTTC CGGGAGTTTT TCGGTGGCCT GGACCCTTTC TCCTTTGAGT TCTGGGACAG  
CCCATTCAAT AGTGACCGTG GTGGCCGGGG CCATGGCCTG AGGGGGGCCT TCTCGGCAGG CTTTGGAGAA  
TTTCCGGCCT TCATGGAGGC CTTCTCATCC TTCAACATGC TGGGCTGCAG CGGGGGCAGC CACACCACCT  
TCTCATCCAC CTCCTTCGGG GGCTCCAGTT CTGGCAGCTC GGGGTTCAAG TCGGTGATGT CGTCCACCGA  
GATGATCAAT GGCCACAAGG TCACCACCAA GCGCATCGTG GAGAACGGGC AGGAGCGCGT GGAGGTGGAG  
GAAGACGGGC AGCTCAAGTC GGTGACTGTG AACGGCAAGG AGCAGCTCAA ATGGATGGAC AGCAAGTAG
```

Transaction Sequence

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MANYEVLGV QASASPEDIK KAYRKLALRW HPDKNPDNKE EAEKKFKLVS EAYEVLSDSK KRSLYDRAGC DSWRAGGGAS  
TPYHSPFDTG YTFRNPEDIF REFFGGLDPF SFEFWDSPFN SDRGGRGHGL RGAFSAGFGE FPAFMEAFSS FNMLGCSGGS  
HTTFSSTSGF GSSSGSSGFK SVMSTEMIN GHKVTTKRIV ENGQERVEVE EDGQLKSVTV NGKEQLKWMD SK
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