DYNLL1 cDNA

Catalog Number: ATGD0092

PRODUCT INFORMATION

Catalog number
ATGD0092

Product type
cDNA

Species
Human

NCBI Accession No.
NP_001032583.1

Alternative Names
DLC1, DLC8, DNCL1, DNCLC1, hdlc1, LC8, LC8a, PIN

mRNA Refseq
NM_001037494.1

OMIM
601562

Chromosome location
12q24.23

PRODUCT SPECIFICATION

Formulation
Lyophilized

Storage
Store the plasmid at -20C.

cDNA Size
270bp

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

DYNLL1 cDNA

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DYNLL1, also known as DLC8 or PIN (protein inhibitor of neuronal nitric oxide synthase), has been identified as a protein that interacts with NOS1 resulting in NOS1 inhibition. Binding of this protein destabilizes NOS1 (Neuronal nitric oxide synthase) dimer, a conformation necessary for activity, and it may regulate numerous biologic processes through its effects on nitric oxide synthase activity. DYNLL1 is a ubiquitously expressed protein that exhibits high expression in testis and moderate expression in brain.

DATA

Sequence nucleotides

ATGTGCGACC GAAAGGCCGT GATCAAAAAT GCGGACATGT CGGAAGAGAT GCAACAGGAC TCGGTGGAGT GCGCTACTCA GGCGCTGGAG AAATACAACA TAGAGAAGGA CATTGCGGCT CATATCAAGA AGGAATTTGA CAAGAAGTAC AATCCCACCT GGCATTGCAT CGTGGGGAGG AACTTCGGTA GTTATGTGAC ACATGAAACC AAACACTTCA TCTACTTCTA CCTGGGCCAA GTGGCCATTC TTCTGTTCAA ATCTGGTTAA

Transaction Sequence

MCDRKAVIKN ADMSEEMQQD SVECATQALE KYNIEKDIAA HIKKEFDKKY NPTWHCIVGR NFGSYVTHET KHFIYFYLGQ VAILLFKSG