

Product datasheet for **RC226942**

PASIC1 (LMNTD1) (NM_001145729) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	PASIC1
Synonyms:	IFLTD1; LMNARSI; PASIC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC226942 representing NM_001145729
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGATACACAAGACATTCAGGAAGCTTCGAAGGCAATGCAGAATAAAGTCCATGAGCAGGAAGATA
AGAATGAGAAACAAAAACAAAGAGAAGACAACTTGGAGTATATCTTTAGTACATTTTCCCAAAGAT
GTTGGGTTCAGTTGCCACAACACTGCCATTGTCATCTTCAAATCCAGTGGAATGCCTCTTGTTACTAT
CTGTCTAGTCCTCAGATTAGTAGAGTAATATATCAACAACCTGGACAATTGACTTCTAAAGCTACTGTAG
GTAGCTGTTCCAGAGTGGAAAACAGCTTGGATGCCAGCCCCTTCTCAGTTCGGAAGAAACAGGATGAATC
ACCCATGATTGGGGATGGAGAAGATTATTTCTTTCTTTGTTGGTGATTCAAAGAACTTACAGCACAC
TCAAACACTACACTCAGAAAACTTTAAATACTTTCTATGATTCTTGAAGAAGTTGGCCAATTTACCTCCA
GTTCTCTTGGAGATGTTGAAATAGCTGAAGTGAATGTCAAGGGTTTGTTCGTGAAGCTCATTAACCTTTC
CCTTGACAAAGAAATGGCAATTGGAGATCATATTCTCCAGCAAAATGTGAATGGACAAACCAATTTCTTTG
TACCGATTCTTCCAAACATCGTAATGCAGGCAAAATCCACAGTAACAGCCATTGCGTGGTACACCCCTA
TCCACTGGAAGCAAGCGTGGGAAAAATTAGATGCTGACGTTGAATTTAACAGATGTTTCAGTAGTATCTCC
AACATTCGGAAGCGTGTGTTTCAGTGGACAGCATCTACAGCTACAATACTAAAGAAAAACAAGATCAA
CCTAAGAAAGATATCTCAAATTATCAGGTGGAACAAGCTCAAGTTCTTCTTAAGAGAGAGAAGGAAATCC
CACCAACCGTTTTCCCTAATCGCAGCCCTTGGTGCCAGAATCCCTATGTCTCTGCACATCCTTACTGTCC
TCTGATTGAACACACAATACATCCACGCTGGAGGCAGATTGGATAGACAGCCAGGACTCGGTCAACC
AGACCTAATCGAGCCTCAGGGTCTAAGAAAAGAAGACATCTGAGTCACAAAAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC226942 representing NM_001145729

Red=Cloning site Green=Tags(s)

MKDTQDIQEASKAMQNKVHEQEDKNEKQKQREDKLGVSLSLHFSKMLGVSATTLPLSSSNSSGMPLGYY
LSSPQISRVTISTTQGLTSKATVGSCSRVENSLEASPFVPPKKQDESPMIGDGEDYFLSLFGDSKKLTAH
SNYTQKTLKYFSMILEEVGQFTSSSLGDVEIAEVNVKGLFVKLINSSLDKEMAIGDHILQQNVNGQTISL
YRFLPNIVMQANSTVTIAWYTPIHWKQAWEKLDADVEFNRCVSVPTFRKRVFQWTASTATITKEKQDQ
PKKDISNYQVEQAQVLLKREKEIPPTVFPNRSWPCQNPVSAHPYCPLIEPHNTSTAGRLDRQPRTST
RPNRASGSKKKTSQSQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

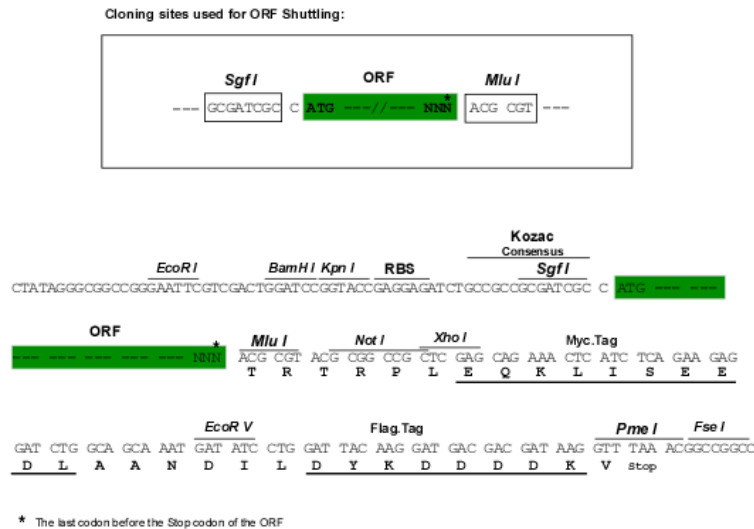
Chromatograms:

https://cdn.origene.com/chromatograms/mk8055_c01.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001145729

ORF Size:

1107 bp

OTI Disclaimer:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:

This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001145729.1](#), [NP_001139201.1](#)

RefSeq ORF: 1110 bp

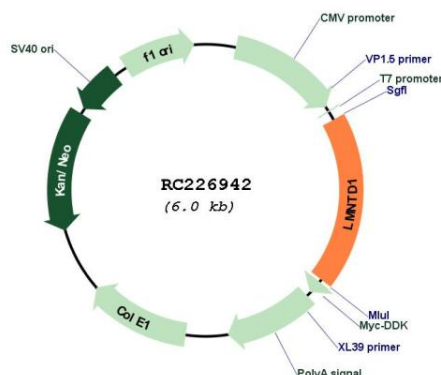
Locus ID: 160492

UniProt ID: [Q8N9Z9](#)

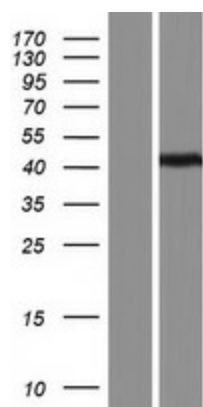
Cytogenetics: 12p12.1

MW: 41.2 kDa

Product images:



Circular map for RC226942



Western blot validation of overexpression lysate (Cat# [LY428991]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226942 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).