

## Product datasheet for **RC226928**

### **PASIC1 (LMNTD1) (NM\_001145728) 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:** >RC226928 representing NM\_001145728  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

ATGAAAGATACACAAGACATTCAGGAAGCTTCGAAGGCAATGCAGAATAAAGTCCATGAGCAGGAAGATA  
AGAATGAGAAACAAAAACAAAGAGAAGACAACTTGGAGTATATTCTTTAGTACATTTTCCCAAAGAT  
GTTGGGTTCAGTTGCCACAACACTGCCATTGTCAATTCAGTGAATGCCTCTTGGTTACTAT  
CTGTCTAGTCCTCAGATTAGTAGAGTAATATCAACAACCTGGACAATTGACTTCTAAAGCTACTGTAG  
GTAGCTGTTCCAGAGTGGAAAACAGCTTGGATGCCAGCCCCTTCTCAGTTCGGAAGAAACAGGATGAATC  
ACCCATGATTGGGGATGGAGAAGATTATTTCTTTCTTTGTTGGTGATTCAAAGAACTTACAGCACAC  
TCAAACACTCAGAAAACCTTAAATACTTTCTATGATTCTTGAAGAAGTTGGCCAATTTACCTCCA  
GTTCTCTTGGAGATGTTGAAATAGCTGAAGTGAATGTCAAGGGTTTGTTCGTGAAGCTCATTAACCTTC  
CCTTGACAAAGAAATGGCAATTGGAGATCATATTCTCCAGCAAAATGTGAATGGACAAACATTTCTTTG  
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CAAAGCATCAACCTCCATCAGATTTCTTTGGAAGGAACAAGCAAGTTTAGAGCAAGTCTGATTGTAT  
AACAATCCTGTGCAAAACCGAAGCTCAAGCCATTGCGTGGTACACCCCTATCCACTGGAAGCAAGCGTGG  
GAAAAATTAGATGCTGACGTTGAATTTAACAGATGTTCAAGTAGTATCTCAACATTCCGAAAGCGTGTGT  
TTCAGTGGACAGCATCTACAGCTACAATACTAAAGAAAAACAAGATCAACCTAAGAAAGATATCTCAAA  
TTATCAGGTGGAACAAGCTCAAGTTCTTCTTAAGAGAGAGAAGGAAATCCACCAACCGTTTTCCCTAAT  
CGCAGCCCTTGGTGCCAGAATCCCTATGTCTCTGCACATCCTTACTGTCTCTGATTGAACACACAATA  
CATCCACCGCTGGAGGCAGATTGGATAGACAGCCAGGACTCGGTCAACAGACCTAATCGAGCCTCAGG  
GTCTAAGAAAAAGAAGACATCTGAGTCACAAAAGCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC226928 representing NM\_001145728

Red=Cloning site Green=Tags(s)

MKDTQDIQEASKAMQNKVHEQEDKNEKQKQREDKLGVSLSLHFSKMLGVSATTLPLSSSNSSGMPLGYY  
LSSPQISRVTISTTGLTSKATVGSCSRVENSLEASPFVPPKKQDESPMIGDGEDYFLSLFGDSKKLTAH  
SNYTQKTLKYFSMILEEVGQFTSSSLGDVEIAEVNVKGLFVKLINSSLDKEMAIGDHILQQNVNGQTISL  
YRFLPNIVMQANSTVTVAASEAKHQPPSDFLWKEQDKFRASPCITILCKPNGQAIWYTPIHVKQAW  
EKLDADVEFNRCVSVPTFRKRVFQWTASTATITKEKQDQPKKDISNYQVEQAQVLLKREKEIPPTVFPN  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

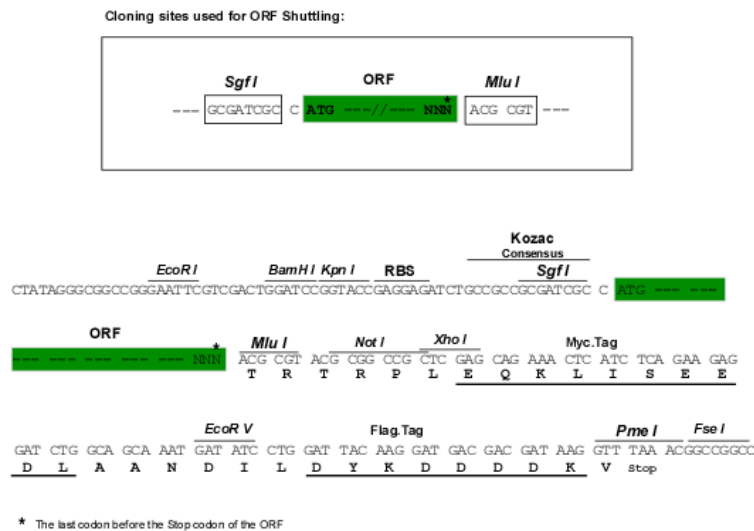
Chromatograms:

[https://cdn.origene.com/chromatograms/mk8032\\_g07.zip](https://cdn.origene.com/chromatograms/mk8032_g07.zip)

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM\_001145728

ORF Size:

1227 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\\_001145728.2](#), [NP\\_001139200.1](#)

**RefSeq ORF:** 1230 bp

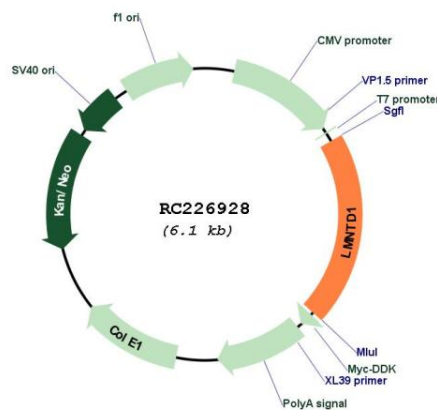
**Locus ID:** 160492

**UniProt ID:** [Q8N9Z9](#)

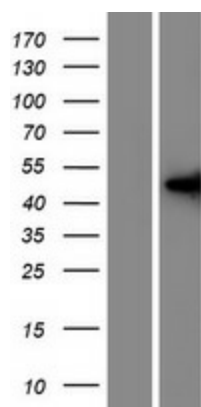
**Cytogenetics:** 12p12.1

**MW:** 45.7 kDa

**Product images:**



Circular map for RC226928



Western blot validation of overexpression lysate (Cat# [LY428990]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226928 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).