

Product datasheet for SC127919

Marapsin (PRSS27) (NM_031948) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Marapsin (PRSS27) (NM_031948) Human Untagged Clone
Tag:	Tag Free
Symbol:	Marapsin
Synonyms:	CAPH2; MPN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127919 sequence for NM_031948 edited (data generated by NextGen Sequencing)

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ATGAGGCGGCCGGCGGCTGCCCTCCTGCTGCTGCTGTGTTTTGGGTCTCAGAGGGCC
AAGGCAGCAACAGCCTGTGGTCGCCCCAGGATGCTGAACCGAATGGTGGGCGGGCAGGAC
ACGCAGGAGGGCGAGTGGCCCTGGCAAGTCAGCATCCAGCGCAACGGAAGCCACTTCTGC
GGGGGCAGCCTCATCGCGGAGCAGTGGGTCTGACGGCTGCGCACTGCTCCGCAACACC
TCTGAGACGTCCCTGTACCAGGTCTGCTGGGGGCAAGGCAGCTAGTGCAGCCGGGACCA
CACGCTATGTATGCCCGGGTGAGGCAGGTGGAGAGCAACCCCTGTACCAGGGCACGGCC
TCCAGCGCTGACGTGGCCCTGGTGGAGCTGGAGGCACCAAGTGCCTTACCAATTACATC
CTCCCCGTGTGCCTGCCTGACCCCTCGGTGATCTTTGAGACGGGCATGAACTGCTGGGTC
ACTGGCTGGGGCAGCCCCAGTGAGGAAGACCTCCTGCCCGAACCGCGGATCCTGCAGAAA
CTCGCTGTGCCCATCATCGACACACCCAAGTGCAACCTGCTCTACAGCAAAGACACCGAG
TTTGGCTACCAACCCAAAACCATCAAGAATGACATGCTGTGCGCCGGCTTCGAGGAGGGC
AAGAAGGATGCCTGCAAGGGCGACTCGGGCGGCCCCCTGGTGTGCCTCGTGGGTGAGTGC
TGGCTGCAGGCGGGGTGATCAGCTGGGGTGAGGGCTGTGCCCGCAGAACCGCCAGGT
GTCTACATCCGTGTACCGCCACCACAACCTGGATCCATCGGATCATCCCCAACTGCAG
TTCCAGCCAGCGAGGTTGGGCGGCCAGAAAGTGA

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Clone variation with respect to NM_031948.3



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_031948 unedited
 ATNNTCCCGGGACATTCCAACGCCTTTCTTGCCACNCTGCCGNACCAACGGCCCCCTGCGC
 CCCCAGCCAGGCCCTGAGGACATGAGGCGGCCGGCGGTGCCGCTCCTGCTTGTGCT
 GTGTTTTTGGGTCTCAGAGGGCCAAGGCAGCAACAGCCTGTGGTCGCCCCAGGATGCTGA
 ACCGAATGGTGGGCGGGCAGGACACGCAGGAGGGCGAGTGGCCCTGGCAAGTCAGCATCC
 AGCGCAACGGAAGCCACTTCTGCGGGGGCAGCCTCATCGCGGAGCAGTGGTCCTGACGG
 CTGCGCACTGCTTCCGCAACACCTCTGAGACGTCCCTGTACCAGTCTGCTGGGGGCAA
 GGCAGCTAGTGCAGCCGGGACCACACGCTATGTATGCCCGGGTGAGGCAGGTGGAGAGCA
 ACCCCCTGTACCAGGGCACGGCCTCCAGCGCTGACGTGGCCCTGGTGGAGCTGGAGGCAC
 CAGTGCCTTACCAATTACATCCTCCCGTGTGCCTGCCTGACCCCTCGGTGATCTTTG
 AGACGGGCATGAACTGCTGGTCACTGGCTGGGGCAGCCCCAGTGAGGAAGACCTCTGC
 CCGAACCCGGATCCTGCAGAACTCGCTGTGCCATCATCGACACACCAAGTGAACC
 TGCTCTACAGCANAACACCGAGTTTGTACCAACCCAAACCATCAAGAATGACATGCTG
 TGCGCCCGCTTCNNAGANNNGCAGAAGATGCCTGCANGGCGACTCGGCGGCCCTGTGT
 GCCTCTGGGGTCANTCTTGGCTCAGCGGGGGTGATCACTGGGTGAGGGGCTGCCCC
 AAAACCCCAAGTGTACTCCCTGTAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_031948 unedited
 CAGNATGCCACCTTTTATCTGTTTCAGGAAAACAATATGACCGCGGCCGCCCTTTTTTTT
 TTT
 TTTTTTTTTTCCGGCACACAGGCGGGTTTTTATTGGGAAAATTAATAAATTAAGGGT
 TTTAAAAGGGGAGGAAGGCCCTTTTTAAAAATTAATCTGGGGGGCCAAAAATCCAA
 AGGCAGGCTTTGACAACCAACAGGGGGGGGGCCGGCCAGCCTGGGTCCAAAAGTTTT
 CTAAGAGGGTCTCTGGCCCCGGGGGCCAAATTGTGGCCGCAAACCCGGGGGGGAAGA
 GACCGGGTGTGGGATCACCGGGGATCGCGGTACGGCGGGGGCGGCCCGGGGAGAAA
 CCGGGGGGGGGCGGGGGGGCGGGGCGGGGGAGAGTGAAGAGGGGGACGGGGGGACT
 GAGCGCGCGCCAGGCAGACAAGGACGGACACGCAAGATGGCGAGGGGGCCAGAAGAT
 CGGCCCTCCCCACCCCCACCACAAGCACACTACAAAACCCCAACCCCGCACCAAC
 ACCGCCTACCCACCAACCCCCCGCCCCACCCGCGCCACGACTACCCGCCACCCCC
 ACAACCCCCCTACCCACCCACCCCCCTCCCCACTCACCCCATACCCCGCA
 CCCCCAAACACACCCACCCCCCGCCACCCCGCCGACCCGGCCGCGCCGCGCCG
 CCACCGCCGCAACCCCCCCCCACTGCACGGCCACGCCCCCGCCACCCCGATACACC
 CCGCGCCAGCGCGCGCG

Restriction Sites:

Please inquire

ACCN:

NM_031948

Insert Size:

1400 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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.

RefSeq: [NM_031948.3](#), [NP_114154.1](#)

RefSeq Size: 1462 bp

RefSeq ORF: 873 bp

Locus ID: 83886

UniProt ID: [Q9BQR3](#)

Cytogenetics: 16p13.3

Protein Families: Druggable Genome, Protease, Secreted Protein

Gene Summary: This gene is located within a large protease gene cluster on chromosome 16. It belongs to the group-1 subfamily of serine proteases. The encoded protein is a secreted tryptic serine protease and is expressed mainly in the pancreas. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).