

Product datasheet for **SC108323**

Pannexin 1 (PANX1) (NM_015368) Human Untagged Clone

Product data:

| | |
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| Product Type: | Expression Plasmids |
| Product Name: | Pannexin 1 (PANX1) (NM_015368) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | PANX1 |
| Synonyms: | MRS1; OOMD7; PX1; UNQ2529 |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Cell Selection: | None |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_015368, the custom clone sequence may differ by one or more nucleotides |

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ATGGCCATCGCTCAACTGGCCACGGAGTACGTGTTCTCGGATTTCTTGCTGAAGGAGCCACGGAGCCCA
AGTTCAAGGGGCTGCGACTGGAGCTGGCTGTGGACAAGATGGTCACGTGCATTGCGGTGGGGCTGCCCT
GCTGCTCATCTCGCTGGCCTTCGCGCAGGAGATCTCGATTGGTACACAGATAAGCTGTTTCTCTCCAAGT
TCTTTCTCTGGCGTCAGGCTGCCTTTGTGGATTCATATTGCTGGGCGGCTGTTCCAGCAGAAGAAGTCA
TGCAGAGCGAGTCTGAAACCTCCCACTGTGGCTGCATAAGTTTTCCCTACATCTGCTGCTCTTTGC
GATCCTCCTGTACCTGCCCGCTGTTCTGGCGTTTCGCAGCTGCTCCTCATATTTGCTCAGACTTGAAG
TTTATCATGGAAGAACTTGACAAAGTTTACAACCGTGCAATTAAGGCTGCAAAGAGTGCGCGTGACCTTG
ACATGAGAGATGGAGCCTGCTCAGTTCAGGTGTTACCGAGAAGTGGGCAAAGTTTGTGGGAGGTATC
TGAAAGCCACTTCAAGTACCAATTGTGGAGCAGTACTTGAAGACAAAGAAAAATTAATAATTTAATC
ATCAAGTACATTAGCTGCCCGCTGCTGACACTCATATTACTGTTAGCGTGTATCTACCTGGGCTATT
ACTTCAGCCTCTCCTCACTCTCAGACGAGTTTGTGTGCAGCATCAAATCAGGGATCCTGAGAAACGACAG
CACCGTGCCCGATCAGTTTCAGTGCAAACCTCATTGCCGTGGGCATCTTCCAGTTGCTCAGTGTCAATAAC
CTTGTGGTTTATGCTCTGCTGGCTCCCGTGTTGTCTACACGCTGTTTGTCCATTCCGACAGAAGACAG
ATGTTCTCAAAGGTACGAAATCCTCCCACTTTTGTGTTCTGCAATTTCAAATCTGAAGGGTACACAGCA
TTTGAGCCTCTACAATCTCTTCTTGAGGAAAAATAAGTGAGGTCAAGTCATACAAGTGTCTTAAGGTA
CTGGAGAATATTAAGAGCAGTGGTCAGGGGATCGACCAATGCTACTCCTGACAAACCTTGGCATGATCA
AGATGGATGTTGTTGATGGCAAACCTCCCATGTCTGCAGAGATGAGAGAGGAGCAGGGGAACCGACGGC
AGAGCTCCAAGGTATGAACATAGACAGTAAACTAAAGCAAATAATGGAGAGAAGAATGCCCGACAGAGA
CTTCTGGATTCTTCTTGCTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015368 unedited
 GCCAGAATTGTATACGACNACTATAGGCGGCCGCGACATTCGCACGAGGGCGGGATGCGG
 GAGCAGGCAAAGGGAAAGCGAAAGCCGCGCCCGGCGGTGACTGGGTGAAGGCCCGC
 GCAGCTTCCCGACGCCGGCTGTACCCGGACCTCCTGGTCGAGCCTGGCGCGCCGAGCC
 ATGGCCATCGCTACCTGGCCACGGAGTACGTGTTCTCGGATTTCTTGTGAAGGAGCCC
 ACGGAGCCCAAGTTC AAGGGGCTGCGACTGGAGCTGGCTGTGGACAAGATGGTCACGTGC
 ATTGCGGTGGGGCTGCCCTGCTCATCTCGCTGGCCTTCGCGCAGGAGATCTCGATT
 GGTACACAGATAAGCTGTTTCTCTCCAAGTTCTTCTCCTGGCGTCAGGCTGCCTTTGTG
 GATTCATATTGCTGGGCGGCTGTT CAGCAGAAGA AACTCACTGCAGAGCGAGTCTGAAAC
 CTCCCACTGTGGCTGCATAAGTTTTTCCCTACATCCTGCTGCTCTTTGCGATCCTCCTG
 TACCTGCCCGCTGTTCTGGCGTTTTCGCAGCTGCTCCTCATATTTGCTCAGACTGAAG
 TTTATCATGGAAGAACTTGACAAAGTTTACAACCGTGCAATTAAGGCTGCAAAGAGTGCG
 CGTGACCTTGACATGAGAGATGGAGCCTGCTCAGTTCAGGTGTTACCGAGA AACTTATGG
 CAAAGTTTGTGGGATGTATCTGATAGCCACTTCAAGTACCCAATTGTGGAGCAGTACTTG
 AAGACCAAGANA AATTCTATATTNAATCATCAAGTACATTAGCTGCCGCTGCTGACAC
 TCATCATTATACTGTTAGCGTGTATCTACTGGGCTATTACTTCAGCCTCTCCTACTCT
 CAGACGAGTTTGTGTGCAGCATCAAATCAGGGATCCTGAGNAACGACAGCACCGTGGCC
 GATCA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015368 unedited
 CCGCGGGCCGCAACTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCTTATCCAACCATTAT
 AATCTTTATTCTATAATTCTCCACCAGTCTAGAATTTTCTTCCCAAATGGCCTCAATTC
 GGACACTGAATAAACGATAATGAATTTTTTAAAGCTGTGCTTAAATATAAAACAAAATAAA
 CCGCTAAGTTTTCTGGCTCCAAGCACGCCATATGAAGCACGCCAATGCTCACTTATGTGC
 CCTGATCACATTCAGGCAAAGTGTCTTCACTTTAAATACTCCTGTGTTCCATTATTGTT
 TAAGTAAAATCCTATTTCAAATGCCTTTGATAACAGAGAAACCGCCTGTAGACAAACTCT
 TTGAAAGTGACTGAATTAATGTCTTCTGTGATGTACAGATTTCCCACTGGGCTCTTTTGG
 AAGCATTCTTCTGAATTGAAGTCACTGTGAATATCCTTTAGATTTCTGTTGTTAACTC
 AGTTTTCACTCAGACGACACTTGGGCCTGCTGCCCTTCAAGGCACAGTGAACAATAAG
 TGGTTACGGGATTTCCATCAGCCAAGGTTGACAACTAACAATGTAAGAGAGCTCGAGTG
 TGGGCCAAGGCATCGGACCTTACACCTAACTTANGACATAGGTCGACCTATGGATTATTA
 GCCAGTGAATGCTTTTTCTTGTCTAACAGTNCCTTAAGGGCACATTA AAAACTCACGTTA
 AATTATATCCTGACATATTATTCCATGAAAACAAACCAATCTTACAAAGTGTGTTT
 TCCAGAAGCTCTGGGCTTGTCTACCACGGTACANAAGGTATNGCTCCGAGGTCTGAACA
 GGCTACGGCTCTGGACAAATGTCCTGCCTTTCTGCTTTCAATTGAAGAGGACTAAACATA
 ATACTTGCTGAAGTTACTATCTTCAGAGCTTCTATGG

Restriction Sites:

NotI-NotI

ACCN:

NM_015368

Insert Size:

2750 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_015368.3](#), [NP_056183.2](#)

RefSeq Size: 2782 bp

RefSeq ORF: 1281 bp

Locus ID: 24145

UniProt ID: [Q96RD7](#)

Cytogenetics: 11q21

Protein Families: Transmembrane

Gene Summary: The protein encoded by this gene belongs to the innexin family. Innexin family members are the structural components of gap junctions. This protein and pannexin 2 are abundantly expressed in central nerve system (CNS) and are coexpressed in various neuronal populations. Studies in *Xenopus* oocytes suggest that this protein alone and in combination with pannexin 2 may form cell type-specific gap junctions with distinct properties. [provided by RefSeq, Jul 2008]