

## Product datasheet for **SC322458**

### Pannexin 1 (PANX1) (NM\_015368) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pannexin 1 (PANX1) (NM_015368) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pannexin 1
Synonyms:	MRS1; OOMD7; PX1; UNQ2529
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene sequence for SC322458  
 GGGCGGCGCGGAGGGGCAGGGCCAGAGGGAAGCGCTTTGTTCCGCGCGTGGTTCCCGCGC  
 CTGGGGGTGCGCGGGAGAGGCGCGAATCCGAGTGCCGCGCGCGGCCCGGGGACTTGACAG  
 GGCGTGCGGGTGGAACCGCAGGAAGCGGAGCTCTCGGTTCCCGCCCCGCCCGCGCGC  
 GGCGGAGGCAGCAGCGCGAGAGCCAGCGGAGTCGCTGGGAGCTGAGGCACCGAGACA  
 CAAAGGCAGGCGGGATGCGGGAGCAGGCAAAGGAAAGCGAAAGCCGCGCGCCGGCCGG  
 TGACTGGGTGAAGGCGCGCGCAGCTTTCCCGACCGCGGTGTACCCGGACCTCCTGGTC  
 GAGCCTGGCGCGCGCAGCCATGGCCATCGCTCACCTGGCCACGGAGTAGTGTTCTCGG  
 ATTTCTTGCTGAAGGAGCCACGGAGCCCAAGTTCAAGGGGCTGCGACTGGAGCTGGCTG  
 TGGACAAGATGGTCACGTGCATTGCGGTGGGGTGCCCTGCTGCTCATCTCGTGGCT  
 TCGCGCAGGAGATCTCGATTGGTACACAGATAAGCTGTTTCTCTCAAGTTCTTTCTCT  
 GGCGTCAGGCTGCCTTTGTGATTATATTGCTGGGCGGCTGTTACAGCAGAAGAAGTAC  
 TGCAGAGCGAGTCTGAAACCTCCCACTGTGGCTGCATAAGTTTTTCCCTACATCCTGC  
 TGCTCTTTCGATCCTCCTGTACCTGCCCGCTGTTCTGGCGTTTCGCAGCTGCTCCTC  
 ATATTTGCTCAGACTTGAAGTTTATCATGGAAGAACTTGACAAAGTTTACAACCGTGCAA  
 TTAAGGCTGCAAAGAGTGCAGCGTACCTTGACATGAGAGATGGAGCCTGCTCAGTTCCAG  
 GTGTTACCGAAGACTTAGGGCAAAGTTTGTGGGAGGTATCTGAAAGCCACTTCAAGTACC  
 CAATTGTGGAGCAGTACTTGAAGACAAAGAAAATTCTAATAATTTAATCATCAAGTACA  
 TTAGCTGCCCGCTGCTGACACTCATATTATACTGTTAGCGTGTATCTACCTGGGCTATT  
 ACTTCAGCCTCTCCTCACTCTCAGACGAGTTTGTGTGCAGCATCAAAACAGGGATCCTGA  
 GAAACGACAGCACCGTGCCCGATCAGTTTTCAGTGCAAACCTATTGCCGTGGGCATCTTCC  
 AGTTGCTCAGTGTCAATTAACCTTGTGGTTTATGCCTGCTGGCTCCCGTGGTTGTCTACA  
 CGCTGTTTGTCCATTCGACAGAAGACAGATGTTCTCAAAGTGTACGAAATCCTCCCA  
 CTTTTGATGTTTGCATTTCAAATCTGAAGGTTACAACGATTTGAGCCTTACAATCTCT  
 TCTTGAGGAAAAATAAGTGAGGTCAAGTCATACAAGTGTCTTAAGGTTACTGGAGAATA  
 TTAAGAGCAGTGGTCAGGGGATCGACCAATGCTACTCCTGACAAACCTTGGCATGATCA  
 AGATGGATGTTGTTGATGGCAAACCTCCCATGTCTGCAGAGATGAGAGAGGAGCAGGGGA  
 ACCAGACGGCAGAGCTCCAAGGTATGAACATAGACAGTAAAACAAAGCAATAATGGAG  
 AGAAGAATGCCCGACAGAGACTTCTGGATTCTTCTTGCTGATGATTTTTTCTTGAGCT  
 GTAATCTGTGACTTCTGCGACATGGGATTTAATTTGGCTAAAGCACCCCTGTTGGTTTC  
 ACAGCTGGTTTGAATAAATGGTTCTTGGTGAAAAAAGAAAAAAAAAAAAAAAAAAAAAAA  
 AAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_015368

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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]