

Product datasheet for **RC228515**

Pannexin 2 (PANX2) (NM_001160300) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pannexin 2 (PANX2) (NM_001160300) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pannexin 2
Synonyms:	hPANX2; PX2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC228515 representing NM_001160300
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCACCACCTCCTGGAGCAGTCGGCGGACATGGCGACCCTGCTGGCGGGAGAGAAGCTGCGGGAGC
 TGATCCTGCCGGGCGCGCAGGACGACAAGCGGGCGCGCTGGCCGCGCTGCTTCTGCAGCTGAAGCTGGA
 GCTGCCGTTTCGACCGGGTGGTACCATCGGCACCGTGGTGGTGGCCATCCTGCTGGTCCACCTGGTCTTC
 ACCAAGAAGTTCGCAGAGGAACCCATTTACTGTTACACCCCGCACAACTTCACGCGCGACCAGGCGCTGT
 ACGCCCGCGGCTACTGCTGGACGGAGCTGCGGGACGCGCTGCCCGGCGTGGACGCCAGCCTGTGGCCGTC
 GCTGTTTGAGCACAAAGTTCCTGCCCTACGCGCTGCTGGCCTTCGCCGCCATCATGTACGTGCCCGCGCTG
 GGCTGGGAGTTCTCGCCTCCACGCGCTCACCTCCGAGCTCAACTTCCTGCTGCAGGAGATCGACAAC
 GTTACCACCGGGCGGCCGAGGGCCGCGCCCAAGATCGAGAAGCAGATCCAGTCCAAGGGCCCGGGCAT
 CACGGAGCGCGAGAAGCGCGAGATCATCGAGAACGCGGAGAAGGAGAAGGCCCGGAGCAGAACCTGTT
 GAGAAGTACCTGGAGCGCCGCGCCGCGCAGCAACTTCCTGGCCAAGCTGTACCTGGCGCGGCACGTGCTGA
 TCCTGCTGCTGAGCGCCGTGCCATCTCTACCTGTGCACCTACTACGCCACGCAGAAGCAGAACGAGTT
 CACCTGCGCGCTGGGCGCGTCCCGGACGGGGCGGAGGTGCGGGGCCCGCGGTGCGCGTGAGTGAAG
 CTCCCCTCCGTGCAACTGCAGCGCATCATCGCGGGCGTGGACATCGTGTGCTGTGCGTCATGAACCTCA
 TCATCCTCGTCAACCTCATCCACCTCTTCATCTCCGCAAGAGCAACTTCATCTTCGACAAGCTGCACAA
 GGTGGGCATCAAGACGCGCCGCGCAGTGGCGCCGCTCGCAGTTCGCGACATCAACATCCTGGCCATGTT
 TGCAACGAGAACCAGCACCATCAAGTCGCTCAACCGGCTGGACTTCATCACCACGAGAGCGACCTCA
 TGTACGACAACGTGGTCCGGCAGCTGCTGGCGCGCTGGCGCAGTCCAACCACGACGCCACCCCCACGGT
 GCGCGACTCGGGGTGCAGACCGTGGACCCAGCGCAACCCCGCGAGCCGACGGCGCCGCGAGCCG
 CCCGTGGTCAAGCGGCCGCGCAAGAAGATGAAGTGGATCCCCACCAGCAACCCGCTTCGCGACCCCTCA
 AGGAGCCGCTGGCCATCATGCGCGTGGAGAACAGCAAGCGGAGAGCCGAAAGCCCGCGCAGGAAGAC
 GGCCACGGACACGCTGATCGCGCCGCTGCTGGACCGCTCCGCCACCACTACAAGGGCGGAGGGGGCGAC
 CCGGGCCCGGCCCGCCCTGCCCGCCCGCCGCGCCCGCCCTGACAAGAAGCAGCGCGCCACTTCT
 CCCTGGACGTGCACCCCTACATCCTCGGCACCAAGAAGGCCAAGGCCGAGGCGGTGCCCGCCCGCTGCC
 CGCTCCCGGAGCCAGGAGGGGGCTTCTGTCCAGGCGGAGGACTGTGGGCTAGGCTGGCCCGCGG
 CCCATCAAAGATGCTCCGCTCCCGGAGAAGGAAATCCCGTACCCACAGAGCCAGCCGGGCGAGGGCTTC
 CCTCGGGGGGCCGTTCCACGTCCGCTCACCTCCCGCGCCCTGCTGTGGCCCTCTGACACCAGCCAG
 CCTGGGAAGGGGAGCCCTCACCATCCTGAGCCGAAACGCCACACACCCGCTGCTGCACATCAACACG
 CTATCCTCATCGCCACCTTCGACGAGCCGAGAACGGTCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

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_001160300.2](#)

RefSeq ORF: 1932 bp

Locus ID: 56666

UniProt ID: [Q96RD6](#)

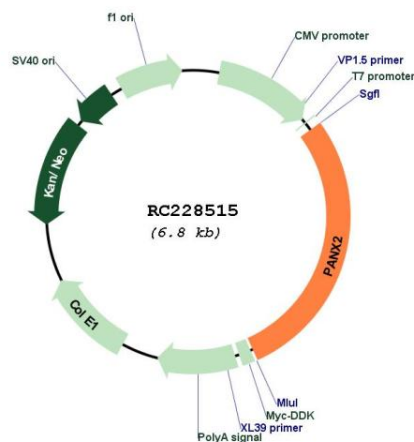
Cytogenetics: 22q13.33

Protein Families: Transmembrane

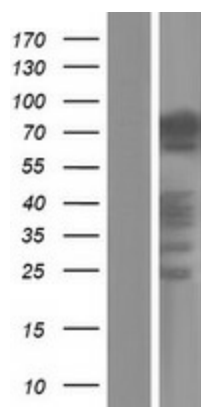
MW: 70.5 kDa

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 1 are abundantly expressed in central nervous system (CNS) and are coexpressed in various neuronal populations. Studies in *Xenopus* oocytes suggest that this protein alone and in combination with pannexin 1 may form cell type-specific gap junctions with distinct properties. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]

Product images:



Circular map for RC228515



Western blot validation of overexpression lysate (Cat# [LY431543]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC228515 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).