Product datasheet for RN216461

Panx1 (NM_001270548) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Panx1 (NM_001270548) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Panx1
Synonyms:	px1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN216461 representing NM_001270548 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCATCGCCCACCTGGCCACGGAGTACGTGTTCTCGGACTTCTTGCTGAAGGAGCCCACCGAGCCCA
AGTTCAAGGGGCTGCGACTGGAGCTGGCAGTGGACAAGATGGTCACGTGCATTGCCGTGGGTCTGCCTCT
GCTGCTCATCTCGCTGGCCTTCGCTCAGGAGATCTCCATCGGTACCCAGATAAGCTGCTTCTCCCCAAGT
TCCTTCTCCTGGCGCCAGGCCGCCTTCGTGGACTCTTACTGCTGGGCCGCTGTACAGCAGAAAAACTCCC
TGCAGAGTGAGTCTGGAAACCTCCCGCTGTGGCTGCACAAGGTAATAATGAGTCTGTGGGAGATATCCGA
AAGCCACTTCAAGTACCCGATCGTGGAGCAGTACTTGAAGACGAAGAAGAACTCCAGTCACCTAATCATG
AAATACATTAGCTGCCGGCTGGTGACCTTTGCGGTGGTACTGCTGGCTTGCATCTACTTGAGCTACTACT
TCAGCCTCTCCTCGCTCTCCGACGAGTTTCTGTGTAGCATCAAGTCGGGCGTCCTGAGGAACGACAGCAC
CATCCCCGATAGCTTCCAGTGCAAGCTCATCGCGGTCGGCATCTTCCAGCTGCTCAGCCTCATTAACCTC
CTAGTGTACGCCCTGCTGGTCCCCGTGGTCATCTACACGCTCTTCGTCCCGTTCCGGCAGAAGACGGACG
TCCTCAAGGTATACGAGATCCTGCCCACCTTCGATGTTCTACATTTCAAGTCTGAAGGCTACAACGACTT
GAGCCTCTACAACCTTTTTCTGGAAGAGAACATAAGTGAGCTCAAATCGTACAAGTGTCTTAAGGTGCTG
GAGAACATTAAGAGCAATGGGCAGGGCATCGACCCCATGTTACTTCTGACAAACCTAGGCATGATTAAGA
TGGACGTCATTGATGGAAAAGTCCCCATGTCCCTACAGACCAAGGGAGAGGACCAGGGCAGCCAGAGAAT
GGACTTCAAAGATTTGGACCTGAGCAGCGAGACGGCAGCGAACAATGGGGAGAAGAACTCTCGCCAGCGA
CTTCTGAATTCATCCTGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001270548

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Insert Size:	1071 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001270548.1, NP_001257477.1
RefSeq Size:	2246 bp
RefSeq ORF:	1071 bp
Locus ID:	315435
Cytogenetics:	8q12
Gene Summary:	The protein encoded by this gene is a plasma membrane protein that is a structural component of gap junctions. The encoded protein acts as a homodimer or as a heterodimer with other isoforms or proteins. Two additional variants have been found, and the isoforms expressed from them are found in the cytoplasm. It is thought that these two isoforms could attenuate the actions of the membrane-bound protein. [provided by RefSeq, Jul 2012] Transcript Variant: This variant (3) uses an alternate splice junction at the 3' end of an exon and lacks the following alternate exon compared to variant 1. The resulting isoform (c) has a short alternate aa sequence in place of a larger segment compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.