

Product datasheet for SC318709

PCNXL2 (PCNX2) (NM_014801) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCNXL2 (PCNX2) (NM_014801) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCNXL2
Synonyms:	PCNXL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318709 representing NM_014801. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGGTGTCCCAGGTGCTGCAGCTGCTCCGGCAGGGCGTGTGGGCCGCGCTCACCGGGGGCTGGTACCAC
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GGGAAGGAAGGCCAGACTAACCTTGACCCATCGTCTTGTAAGTCCAGCCATGAAAAGAGGCATGCCCGG
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 TCTGCTCGGAGGGGGGAATACAGTGACACCCAGTATCCAGCAGCGTCAACATCGTGATGGGCCCC
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 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_014801
Insert Size:	6414 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:	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:	<u>NM_014801.3</u>
RefSeq Size:	6817 bp
RefSeq ORF:	6414 bp

Locus ID:	80003
UniProt ID:	A6NKB5
Cytogenetics:	1q42.2
Domains:	Pecanex_C
Protein Families:	Transmembrane
MW:	237.3 kDa
Gene Summary:	This gene contains coding mononucleotide repeats that are associated with tumors of high mcrosatellite instability (MSI-H). Defects in this gene are involved in the tumorigenesis of MSI-H colorectal carcinomas. [provided by RefSeq, Jun 2016] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This sequence is assembled by in silico methods with additional support of similarity to mouse proteins contained in NM_175561.3.