

Product datasheet for **SC318942**

Paxillin (PXN) (NM_001080855) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Paxillin (PXN) (NM_001080855) Human Untagged Clone
Tag:	Tag Free
Symbol:	Paxillin
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:	>OriGene ORF sequence for NM_001080855 edited ATGGACGACCTCGACGCCCTGCTGGCGGACTTGGAGTCTACCACCTCCCACATCTCCAAA CGGCTGTGTTCTTGTGCGGAGGAGACCCCTACTCATACCAACTGGAAACCACACATAC CAGGAGATTGCCGTGCCACCCCGTCCCCCACCCTCCAGCGAGGCCCTCAATGGC ACAATCCTTGACCCCTTAGACCAGTGGCAGCCCAGCGGCTCCCGATTATCCACCAGCAG CCTCAGTCCTCATCACCTGTGTACGGCTCCAGTGCCAAAATTCCAGTGTCTCCAACCTC CAGGACAGTGTGGCTCTCCGTGCTCCCGAGTGGGTGAGGAGGAGCAGTCTACAGCTTC CCCAACAAAGCAGAAATCAGCTGAGCCTTCAACCACCGTAATGAGCACGTCCCTGGGCAGC AACCTTTCTGAACTCGACCGCCTGCTGCTGGAACCTGAACGCTGTACAGCATAAACCCGCCA GGCTTCCCTGCAGATGAGGCCAACTCAAGCCCCCGCTTCTGGGGCCCTGAGCCCCCTC TATGGTGTCCCAGAGACTAACAGCCCCTTGGGAGGCAAAGCTGGGCCCTGACGAAAGAG AAGCCTAAGCGGAATGGGGGCCGGGCCGTTGGAGGACGTGCGGCCAGTGTGGAGAGTCTC TTGGATGAACTGGAGAGCTCCGTGCCAGCCCCGTCCCTGCCATCACTGTGAACCAGGGC GAGATGAGCAGCCCGCAGCGCTCACCTCCACCAACAGCAGACACGCATCTCGGCCTCC TCTGCCACCAGGGAGCTGGACGAGCTGATGGCTTCGCTGTCGGATTTCAAGATCCAGGGC CTGGAGCAAAGAGCGGATGGGGAGCGGTGCTGGCGGCCGGCTGGCTCGGGACGGCGGG CGGAGCAGCCCCGAGGGCAGGACGAGGGAGGGTTCATGGCCAGGGGAAGACAGGGAGC AGCTCACCCCTGGGGGCCCCCGAAGCCCGGAGCCAGCTGGACAGCATGCTGGGGAGC CTGCACTGACCTGAACAAGCTGGGGTGCACACAGTCGCCAAAGGAGTCTGCGGGGCC TGCAAGAAGCCCATCGCCGGCAGGTTGTGACCGCCATGGGGAAGACGTGGCACCCCGAG CACTTCGTCTGCACCCACTGCCAGGAGGAGATCGGATCCCGGAACTTCTTCGAGCGGGAT GGACAGCCCTACTGTAAAAGGACTACCACAACCTTTCTCCCGCGCTGCTACTACTGC AACGGCCCCATCCTGGATAAAGTGGTGACAGCCCTTGACCGGACGTGGCACCCCTGAACAC TTCTTCTGTGCACAGTGTGGAGCCTTCTTTGGTCCCGAAGGGTTCCACGAGAAGGACGGC AAGGCCTACTGTGCAAGGACTACTTCGACATGTTGACACCCAAGTGTGGCGGCTGCGCC CGGGCCATCCTGGAGAACTATATCTCAGCCCTCAACACGCTGTGGCATCCTGAGTGCTTT GTGTGCCGGGAATGCTTCAGCCATTCTGTAACGGCAGCTTCTTCGAGCAGCAGCGGGCAG CCCTACTGTGAGGTGCACTACCACGAGCGCGCGGCTCGCTGTGTTCTGGCTGCCAGAAG CCCATACCGGCCGCTGCATCACCGCCATGGCCAAGAAGTTCCACCCGAGCACTTCGTC TGTGCCTTCTGCCTCAAGCAGCTCAACAAGGGCACCTTCAAGGAGCAGAACGACAAGCCT TACTGTCAGAAGTCTTCTCAAGCTCTTCTGCTAG
Restriction Sites:	Please inquire
ACCN:	NM_001080855
Insert Size:	3800 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:	<ol style="list-style-type: none">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_001080855.1 , NP_001074324.1
RefSeq Size:	3788 bp
RefSeq ORF:	1776 bp
Locus ID:	5829
UniProt ID:	P49023
Cytogenetics:	12q24.23
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Protein Pathways:	Chemokine signaling pathway, Focal adhesion, Leukocyte transendothelial migration, Regulation of actin cytoskeleton, VEGF signaling pathway
Gene Summary:	<p>This gene encodes a cytoskeletal protein involved in actin-membrane attachment at sites of cell adhesion to the extracellular matrix (focal adhesion). Alternatively spliced transcript variants encoding different isoforms have been described for this gene. These isoforms exhibit different expression pattern, and have different biochemical, as well as physiological properties (PMID:9054445). [provided by RefSeq, Aug 2011]</p> <p>Transcript Variant: This variant (2) has an additional in-frame coding exon compared to variant 1. This results in a longer isoform (2, also known as isoform beta) containing a 34 aa protein segment not found in isoform 1.</p>