

Product datasheet for **SC329146**

PGBD1 (NM_001184743) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PGBD1 (NM_001184743) Human Untagged Clone
Tag:	Tag Free
Symbol:	PGBD1
Synonyms:	dj874C20.4; HUCEP-4; SCAND4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001184743, the custom clone sequence may differ by one or more nucleotides

```

ATGTATGAAGCTTTGCCAGGCCCTGCTCCTGAAAAATGAAGATGGCCTTGTGAAAGTGAAG
GAGGAAGATCCCACCTGGGAGCAGGTGTGCAACTCACAGGAGGGCAGCTCCCACACTCAG
GAGATTTGCCGCTGCGCTTTCCGCACTTCTGCTACCAGGAGGCTCACGGACCCAGGAA
GCTCTGGCCCACTCCGAGAACTTTGTCATCAATGGCTGAGACCGGAGATGCACACCAAG
GAACAGATAATGGAAGTCTGGTGTGGAGCAGTTCTGACCATCCTGCCAAGGAGCTC
CAGCCCTGTGTGAAGACATATCCTCTGGAGAGTGGAGAGGAGGCAGTGACAGTGTGGAG
AATCTAGAGACAGGAAGTGGAGACACAGGACAACAGGCCTCTGTCTATATTCAGGGACAG
GACATGCACCAATGGTGGCAGAATATCAAGGAGTCTCTTGGAGTGTGACAGCCTCCAG
CTCCTGCCTGGGATAACCACTGAAGTGTGAACCTCCACAGCGTCTCAAGGGAACCCC
CAAGAAGTGAGTGGCCTGTTCCCAAGGATCAGCTCATCTCCAGGAAAAAACCCAGA
GACAAGGTGTAGTGCCTGTGTTAAACCAAGTCAAGTCCAGACATTGGTGAAGACTGAG
GAAGAAACAGCCAGGCCGTTGCTGCAGAGAAGTGGTCACATCTGAGTCTGACTCGGAGG
AACCTCTGTGGGAAGTCAAGTCAAGGAGACAGTTATGAGCCTCAGTCCGATGACTGAAGAA
ATTGTAACATAAGATAGATTGTTTAAAGCAAAGCAAGAACTTCTGAAGAAATGGAACAA
AGTGGAGAAGCCTCAGGAAGGCCAACAGAGAGTGTGCACCCAGATTCTTGTAGTACT
CCTATTGCTACTGAAAGGACAGTTGCACATTTGAACACTCTGAAGGACCGTCACCCAGGT
GATTTGTGGGCCCGCATGCACATCTCATCCCTGGAATATGCTGCAGGAGACATTACCCGA
AAAGGGAGAAAAAAGACAAAGCTCGAGTGAGTGAAGTCTCAAGGCCTCTCATTCTCT
GGTGACTCAGATGTGAAAAAGATAATGAGCCTGAGATCCAGCCTGCTCAAAAGAAGTTA
AAGGTATCATGTTTCCAGAAAAAGAGTTGGACCAAAAGAGACATTAAACCAATTTTCCA
AGCTGGTCAGCACTGGATTCTGGACTTTTGAATCTCAAGAGCGAAAAGTTGAACCCAGA
GAGCTTTTGAATTATTTTGTGATGAAACATTCAACTTAATTGTCAATGAAACCAAT
AATTATGCTTCTCAGAAAAATGTCAGCTTGAAGTCAAGTTCAGGAAATGAGGTGTGTG
TTTGGTGTCTTACTTTTGTGAGTGGATTTATGAGGCATCCTAGAAGGGAATGTATTGGAA
GTCTCTGACACCGATCAGAACCTGGTTAGAGATGCAATCAGAAGGGACAGATTTGAATTG
ATTTTCTCAAACCTGCATTTGCAGATAATGGCCACCTAGATCAAAAAGATAAGTTTACA
AAGTTGAGACCTCTCATAAAACAAATGAATAAAATTTCTCTTGTATGCTCCCCTGGAA
GAATACTATTGCTTTGATAAGTCAATGTGTGAATGCTTTGATAGTGACCAATTCCTGAAT
GGAAAGCCTATTAGAATTGGCTATAAAATTTGGTGTGTACAACACACAGGGTTATCTG
GTTTGGTTTGAACCTATCAAGAAGAATCAACTATGAAGGTAGATGAGGATCCTGATCTT
GGGTTAGGTGGAATCTAGTGATGAACCTCGCTGATGTTCTTTTAGAGAGAGGTCAAGTAT
CCCTATCACCTGTGTTTTGATAGCTTCTTTACAAGTGTCAAATTGTTGTCAGCCTTGAAA
AAGAAGGGGGTGAGGGCAACAGGAACAATTCGTGAGAACAGGACCGAAAAATGTCCCTT
ATGAATGTAGAACATATGAAAAAATGAAGAGAGGGTATTTTGATTTCCGAATAGAAGAA
ACAATGAGATAATTTTGTGTCGTTGGTATGGGATGGCATTATCAGTCTGTGCTCCAAT
GCTGTGGGCATAGAACCAGTCAATGAGGTAAGCTGTTGTGATGCTGATAACGAAGAAATC
CCTCAGATAAGTCAACCATCCATAGTAAAGTGTATGATGAATGCAAGGAAGGTGTAGCT
AAAATGGATCAAATTATTTGAAATACAGGGTGAGGATAAGAAGCAAGAAATGGTACTCA
ATTTTGGTGAGCTACATGATTGATGAGCCATGAACAATGCATGGCAACTACACAGAGCC
TGTAACCCAGGTGCTTCTCTAGACCCCTTGATTTTCGGAGATTGTTGCACATTCTAC
TTGGAACACAATGCTCATCTGTGAGATTAG

```

Restriction Sites: Please inquire

ACCN: NM_001184743

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_001184743.1 , NP_001171672.1
RefSeq Size:	3155 bp
RefSeq ORF:	2430 bp
Locus ID:	84547
UniProt ID:	Q96JS3
Cytogenetics:	6p22.1
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	The piggyBac family of proteins, found in diverse animals, are transposases related to the transposase of the canonical piggyBac transposon from the moth, <i>Trichoplusia ni</i>. This family also includes genes in several genomes, including human, that appear to have been derived from the piggyBac transposons. This gene belongs to the subfamily of piggyBac transposable element derived (PGBD) genes. The PGBD proteins appear to be novel, with no obvious relationship to other transposases, or other known protein families. This gene product is specifically expressed in the brain, however, its exact function is not known. Alternative splicing results in multiple transcript variants encoding the same protein.[provided by RefSeq, May 2010] Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.