

Product datasheet for **SC322372**

PGEA1 (CBY1) (NM_001002880) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PGEA1 (CBY1) (NM_001002880) Human Untagged Clone
Tag: Tag Free
Symbol: PGEA1
Synonyms: arb1; C22orf2; CBY; Chibby1; HS508I15A; PGEA1; PIGEA-14; PIGEA14
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322372
CAAGGTAACCTCTGGGCTACAGAGTCCTTGGCTGGGGGTTTCGGGGAGCGCTTGGACCCCGGC
TTCTGGGACGCGTCAGGAGAAGGGAGCACTGGCTTTGCTTTCATCAGGCCAAAGATGCCT
TTCTTTGGGAATACGTTTCACTCCGAAGAAGACACCTCCTCGGAAGTCGGCATCTCTCTCC
AACCTGCATTCTTTGGATCGATCAACCCGGGAGGTGGAGCTGGGCTTGGGAATACGGATCC
CCGACTATGAACCTGGCAGGGCAAAGCCTGAAGTTTAAAATGGCCAGTGGATAGCAGAG
ACAGGGGTTAGTGGCGGTGTGGACCGGAGGGAGGTTTCAAGCCTTCGACAGCGGAACAG
CAGTTGGAGGAAGAGAACAATCTTTCGGGCTGAAAGTGGACATCTTATTAGACATGCTT
TCAGAGTCCACTGCTGAATCCCCTTAATGGAGAAGGAACTGGATGAACTGAGGATCAGC
CGGAAGAGAAAAATGAAGACCCAGAGACATTTATTGGGGAGTAGGATGTGGCTGAGTGCT
TTTTTTTTGGCCAGACTAGCGGATTCAGTCTGGAAGAGAGTATCATATAATGAGACCCA
CAGGCACTGGCACCCCTTGGGTTGGCAATAGAAGGTGACATGGAATGGAGAAAACCAAGAT
TCCAGATGGGGATAGTAACTAGAAGGTGCTTCAGATGCACTGCCTGCGGGTGCCAGTCTG
AAAACCAGACCGCACAGAGGCTGGGGCTGCTGATGAGCTTTTTGGTGCTCTCCACACAC
AAGCTCGCAAACACACATGTCCCAGAATAGCTCTGTTGGGTTGTGTTGGGAGAAGCGGCT
GGAGTTCATTCTCTACCCCTTATGTTGGTGTGGCGTGTGACAGCAGTTCTACAGAG
CTCTGTGTTGGGGTCATGGATGAGCGGCTCTCTGGCTCTTAAAGGCAGGCTCTCTCTT
CTTGCCTTTAAAGAATCCTCCTTCTCACACCTGGCCTCCTCTGGCTTCAGCTTCTCAGC
AGCAAGCACCAGCCTTCCACAACAACACTATATTTTTATGCTACTTTCCTGTTTGCATA
CTACTTTTTTAAACGATGTTAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAA

Restriction Sites: Please inquire
ACCN: NM_001002880



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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:	<u>NM_001002880.1</u> , <u>NP_001002880.2</u>
RefSeq Size:	1287 bp
RefSeq ORF:	510 bp
Locus ID:	25776
UniProt ID:	<u>Q9Y3M2</u>
Cytogenetics:	22q13.1
Protein Families:	Transcription Factors
Gene Summary:	Beta-catenin is a transcriptional activator and oncoprotein involved in the development of several cancers. The protein encoded by this gene interacts directly with the C-terminal region of beta-catenin, inhibiting oncogenic beta-catenin-mediated transcriptional activation by competing with transcription factors for binding to beta-catenin. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (2) contains an alternate exon compared to variant 1. The resulting isoform (b) is longer at the N-terminus compared to isoform a.