OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC206453

WIBG (PYM1) (NM_032345) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	WIBG (PYM1) (NM_032345) Human 3' UTR Clone
Symbol:	WIBG
Synonyms:	PYM; WIBG
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_032345
Insert Size:	489 bp
Insert Sequence:	>SC206453 3'UTR clone of NM_032345 The sequence shown below is from the reference sequence of NM_032345. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GAGTTAGAGGACTTGGAGTTAGGCCTCTGAGGCCTTTGGGGAATAGGGAATGGACTGCAGAACAAACCG TGGGGCTCTCTGGGGTCTGGGGGAATACGGGCAACAGCAGTCAGGAGGGGTACCCCCCATACTGGCTTA CTTCCACCTCCTGCGGCCCAGCTCTGTCCTCCAGAGCCTAGCGTCTCCCTCAATCCTTCCCTTTTCTTC CCAACTTCTACTTTTTGGACTTTCCCCCTCCCATTCCCAGTGTTCAAAATCTCAGTGACTACCCCAGGT ACCTTTGCTGCTGATTTGGGTGTCTTGTTTAAAAGAAAATCAGGTGGGTGGGAATCTCTTGGAGAACTG AGGCTGAGGGTAGAGGGAGTATGCCCAAGTCTTGGAGTCTTGGTTCCTGTTCGCGGTGTTTATGGGTTA TTTCCCTCTCCATCCCTCATTTTTTTTTTTTTTTTAAAAAAAGCAAAAATGAGAATAAACACAAGTAGA CATGTC ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

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Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_032345.3

Summary: Key regulator of the exon junction complex (EJC), a multiprotein complex that associates immediately upstream of the exon-exon junction on mRNAs and serves as a positional landmark for the intron exon structure of genes and directs post-transcriptional processes in the cytoplasm such as mRNA export, nonsense-mediated mRNA decay (NMD) or translation. Acts as an EJC disassembly factor, allowing translation-dependent EJC removal and recycling by disrupting mature EJC from spliced mRNAs. Its association with the 40S ribosomal subunit probably prevents a translation-independent disassembly of the EJC from spliced mRNAs, by restricting its activity to mRNAs that have been translated. Interferes with NMD and enhances translation of spliced mRNAs, probably by antagonizing EJC functions. May bind RNA; the relevance of RNA-binding remains unclear in vivo, RNA-binding was detected by PubMed:14968132, while PubMed:19410547 did not detect RNA-binding activity independently of the EJC.[UniProtKB/Swiss-Prot Function]

Locus ID: 84305

MW: 17.6