

## Product datasheet for **MC224405**

### Pogz (NM\_001165948) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pogz (NM\_001165948) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Pogz  
**Synonyms:** 9530006B08Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224405 representing NM\_001165948  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGGACACCGACCTGTTTATGGAATGTGAGGAGGAGGAACCTGGAGCCATGGCAGAAAATCAGTGATG  
TCATTGAGGACTCTGTAGTTGAAGATTACAATTCTGTGGATAAACTACTTCCGTTTCTGTGAGCCAGCA  
GCCAGTCTCAGCTCCAGTGCCCATTTGCTGCCCATGCTTCTGTTGCTGGGCACCTCTACATCCACTACT  
GTTAGTAACAGTGGGGCACAGAACAGCGACAGTACAAAGAAGACTCTTGTACACTAATTGCCAACAAACA  
ATGCTGTAATACTTTGGTCCAGCAAGGTGGACAGCCACTCATCCTCACCCAAAACCCAGCACCAGGTCT  
GGGAACAATGGTTACTCAACCAGTATTGAGACCTGTCCAGGTCATGCAGAATGCCAATCATGTGACTAGC  
TCCCCTGTGGCCTCACAACCTATCTTCATCACTACCCAGGGATTTCTGTAAAGGAATGTTCCGGCCTGTAC  
AAAATGCAATGAATCAGGTTGGGATTGTGCTGAACGTACAGCAAGGCCAAAACAGTTAGACCAATTACATT  
GGTCCCAGCCCCAGGTACACAGTTTGTAAAGCCGACAGTTGGCGTCCCACAAGTGTCTCTCAGATGACC  
CCCGTGAGGCCAGGCTCCACAATGCCTGTGAGGCCACCACCAACACCTTTACCACCGTCATCCCAGCTA  
CTCTCACCATCCGAAGCACTGTCCACAGTCCCAGTCCCAGCAGACCAAGTCCACCCCCAGTACCTCCAC  
TACTCCCCTGCCACACAACCAACCTCACTGGGGCAGCTAGCTGGTCAGCCTCCAGGCCAGTCCAACCCAG  
ACCTCGAATCCCAAACCTAGTGAGCATTGCCAGCTTTGTCAGTGTGAAGCGACCTGGGGTTACAGGTGAAA  
ATAGCAACGAAGTGGCCAAATGGTGAATACTCTTAACACTGTCCCTTCCCTGGGCCAGAGTCTGGGCC  
CGTGGTGGTGTCCAACAACAGTTCTGCTCAAAGAACCAGTGGGCCGAATCTTCAGTGAAAGTGACCTCT  
TCCATCCCAGTGTGGACCTCCAGGACGGTGGACGGAAAATATGTCCACGGTGAATGCCAGTTCGGTG  
TTACTGAAGCTCTGAGAGGTACATGTGTTACTGCTGCCCTGAAATGGTTGAGTACCAAAAAGAAAGGCAA  
GTCCCTCGATGCAGAGCCAGTGTCCCATCGGCAGCAAAGCCCTCGTCCCCTGAGAAGACAGCCCCTGTT  
ACTTCCACACCCTCCTTACACCAATTCCTGCTCTCTCACCACCTACCAAAGTACCAGAGCCAAATGAGA  
ATGCTGGAGATGCTGTCCAGACCAAGCTTATTATGCTGGTTGATGATTTCTACTATGGACGGGATGGGGG  
CAAAGCAGCCCAGCTCACGAGCTTCCCTAAGGTTGCCACGCTTTCCGATGCCCTCATTGTACTAAGAGG  
CTAAAGAACAACATTCGATTTCATGAACCACATGAAGCACCACGTAGAAGTTCATCAACAGAATGGTGAGG



TGGATGGTCACACCATCTGCCAGCACTGTTACCGCCAGTTCTCCACCCCTTTCCAGCTCCAGTGCCACTT  
 GGAAAAATGTTTCATAGTCCCTATGAATCTACTACCAAGTGAAGATCTGTGAGTGGGCCTTTGAAAGCGAG  
 CCCTTGTCTCCAGCATATGAAGGACACCCACAAGCCTGGAGAGATGCCTTATGTTTGTGAGGTGTGC  
 AGTATCGCTCCTCCCTACTCTGAAGTAGATGTCATTTTCCGGATGATCCATGAAGATACTCGGCATTT  
 GCTTTGCCCGTATTGCCTAAAAGTCTTCAAAAATGGCAATGCCTCCAGCAACACTACATGAGGCACCAG  
 AAGAGAAATGTTTACTACTGCAACAAATGCCGGCTGCAGTTTCTTTTCCCAAGGACAAAATTGAACACA  
 AGCTGCAGCACCATAAAACCTTCCGTAAGCCTAAGCAACTGGAAGGCTTGAACCAGGCACCAAGGTGAC  
 AATCCGGGCTTCCCGGGGCGAGCCGAGAAGTGTTCCTGTGCTTCAAATGATGCACCTTCTGGCACCTTG  
 CAGGAGGCAGCAGCGCTGACCTCCACTGACCCCTACCTGTCTTCTTTATCCCCCTGTCCAGCGCAATA  
 TCCAGAAGAGAGCTGTTAGGAAAATGAGCGTCATGGGCCGCGAGACATGTCTGGAGTGCAGCTTTGAGAT  
 TCCAGATTTTCTAATCATTTCCCTACCTATGTGCATTGTTCTCTGCGGATACAGCACCTGCTGCTCT  
 AGAGCTTATGCCAATCACATGATCAACAATCATGTTCCACGAAAAGTCCCAAGTATTTGGCTTTGTTTA  
 AAAATTCTGTAAGTGAATCAAGCTGGCCTGCCTTCGTGTACCTTTGCTACCTCCGTGGGAGATGCGAT  
 GGCCAAGCATTTAGTGTCAACCCCTCCCACAGATCTAGCAACATCTTACCACGGGGCTCAGTTGGATG  
 TCTCACTTGAGGCCTGGCCAGGCTTCTGAACGAGTGTTCGACTGGAGCATGAAGAATACATATCTCCAC  
 CTCCTCCGTCCCTAACAAAGCTGCCACTGTGAAGCCTGTAGGAGTCAACCCAGCGGAGCCCAAGAGCT  
 GGCAGGTCTGTGCTCCAGGCATTTCCATCCCCAGCCTCAACTGCAACCCACCAGCAACCCCACTCAC  
 CCACAGCCCTCCGCCCTGCCACCCTCGGCCACAGAGGGGACTGAGTGTCTGAATGTCAGTGAACAGGAAG  
 AAGGAAGCCCTGTACCCAGGATCTGAGCCAGCATCAGTGGTGGAGGTGGCAGTGGGGTTGGCAAGAA  
 AGAGCAGCTGTCTGTGAAGAAGCTTCGGGTAGTACTGTTTCCCTGTGCTGCAACACTGAACAGGCGGCT  
 GAACACTTTCGAAACCCCGAGCGGCAATCCGTCGTTGGCTTCGACGCTTCCAGGCCTCTCAGGGAGAGA  
 ACTTAGAGGGCAAATATCTCAGCTTTGAGGCAGAAGAAAAGTGGCTGAATGGGTGCTGATCCAGAGAGA  
 GCAGCAGCTCCCTGTAATGAGGAGACCTTGTTCAGAAGGCCACCAAAATTTGGACGCTTTTGAAGGG  
 GGGTTTAAAGATCTCCTATGAGTGGGCTGTGCGCTTCATGCTTCGGCACCACTCACTCCCATGCCCGGC  
 GAGCTGTGCGCCACAGTACCGAAGCATGTAGCAGAAAATGCTGGACTTTCATTGAGTTTGTGCAGCG  
 GCAGATTCACAATCAGGACTTACCTTTGTCTATGATTGTGGCTATTGATGAGATCTCTTTGTTCTGGAC  
 ACAGAGGTGCTGAGCAGTGTGACCGAAAGGAGAACGCTCTGCAGACAGTGGGCACAGGGGAGCCTTGGT  
 GTGACGTGCTGGCTATCCTAGCAGATGGCACTGTCTCCCCACCCTTGTCTTCCGAGGACAAGC  
 GAATCGGTTGCTAATGTGCCAGACTCTATATTACTAGAGGCCAAAGACAGTGGCTACAGCGACGACGAA  
 ATCATGGAGCTTTGGTCAACCCGTGTATGGAAGAAGCACACAGCTTGTGACACAGAAAAGCATGTTGG  
 TGATGGACTGTATCGCACTCACTTGTGAGAAGAAGTACTGGCCCTGCTCAGTGCCTCTAGCACTTTGCC  
 TCGCGTAGTCCCGCGGTTGTAGCTCCAAAATCCAGCCACTAGATGTATGCATCAAACGAAGTGAAG  
 AACTTCTGCACAAAAGTGAAGGAACAGGCTCGGGAATGGCTGACGCTGCTTGTGATTCTGATGCTCT  
 TGCTTCAGCTGGTGTGGCTGGCTGGGAGAGGTGCTGGGTGTCATTGGGGACTCCCCAGAGCTAGTTCA  
 GCGGTCTTCTTGTGGCTAGTGTCTGCCAGGTCCCGATGGCAACGTTAACTCACCCACACGCAACGCT  
 GACATGCAGGAGGAGCTCATTGCCTCCCTAGAGGAGCAGCTCAAGCTAAATGGAGAACAGTCTGAGGAGC  
 ACTCAGCTTGTCCCCCGACCCAGGTCATCTCCTGAAGAGACAGTCGAGCCTGAAAGCCTTACCAGCT  
 TTTTGAGGGGAAAGTGAAGCAGGAGTCTTCTATGGCTTTGAGGAAGCTGACCTTGATCTGATGGAGATC  
 TAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM\_001165948

Insert Size:

4203 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001165948.1, NP_001159420.1</u>
<b>RefSeq Size:</b>	7615 bp
<b>RefSeq ORF:</b>	4203 bp
<b>Locus ID:</b>	229584
<b>Cytogenetics:</b>	3 F2.1
<b>Gene Summary:</b>	<p>Plays a role in mitotic cell cycle progression and is involved in kinetochore assembly and mitotic sister chromatid cohesion. Probably through its association with CBX5 plays a role in mitotic chromosome segregation by regulating aurora kinase B/AURKB activation and AURKB and CBX5 dissociation from chromosome arms (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.</p> <p>Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>