

Product datasheet for MC224413

Pogz (NM_172683) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pogz (NM_172683) 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: >MC224413 representing NM_172683
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGGACACCGACCTGTTTATGGAATGTGAGGAGGAGAACTGGAGCCATGGCAGAAAATCAGTGATG
 TCATTGAGGACTCTGTAGTTGAAGATTACAATTCTGTGGATAAACTACTTCCGTTTCTGTGAGCCAGCA
 GCCAGTCTCAGCTCCAGTGCCCATTTGCTGCCATGCTTCTGTTGCTGGGCACCTCTACATCCACTACT
 GTTAGTAACAGTGGGGCAGACAAGCAGCAGTACAAAGAAGACTCTTGTACACTAATTGCCAACAAACA
 ATGCTGTAATACTTTGGTCCAGCAAGGTGGACAGCCACTCATCCTCACCCAAAACCCAGCACCAGGTCT
 GGGAAACAATGGTTACTCAACCAGTATTGAGACCTGTCCAGGTCATGCAGAATGCCAATCATGTGACTAGC
 TCCCTGTGGCCTCACAACCTATCTTCATCACTACCCAGGATTTCTGTAAAGGAATGTTTCGGCCTGTAC
 AAAATGCAATGAATCAGTTGGGATTGTGCTGAACGTACAGCAAGGCCAAAACAGTTAGACCAATTACATT
 GGTCCCAGCCCCAGGTACACAGTTTGTAAAGCCGACAGTTGGCGTCCCACAAGTGTCTCTCAGATGACC
 CCCGTGAGGCCAGGCTCCACAATGCCTGTGAGGCCACCACCAACACCTTTACCACCGTCATCCCAGCTA
 CTCTACCATCCGAAGCACTGTCCACAGTCCCAGTCCCAGCAGACCAAGTCCACCCCAAGTCCACCCAG
 TACTCCCAGTCCACACAACCAACCTCACTGGGGCAGCTAGCTGGTCCAGCCTCCAGGCCAGTCCAACAG
 ACCTCGAATCCCAAACCTAGCTCCCTCCTCCCTCCTCCACCTGCAGTGAGCATTGCCAGCTTTGTCACTG
 TGAAGCGACCTGGGGTTACAGGTGAAAATAGCAACGAAGTGGCCAAATGGTGAATACTCTTAACACTGT
 CCCTTCCCTGGGCCAGAGTCTGGGCCCGTGGTGGTGTCCAACAACAGTTCTGTCAAAGAACCAGTGGG
 CCCGAATCTTCAGTGAAGTGACCTCTCCATCCAGTGTGGTGGTGTGACCTCCAGGACGGTGGACGGAAAAT
 GTCCACCGTGAATGCCAGTTCCTGTTACTGAAGCTCTGAGAGGTACATGTGTTACTGCTGCCCTGA
 AATGGTTGAGTACAAAAGAAAGCAAGTCCCTCGATGCAGAGCCAGTGTCCATCGGCAGCAAAGCCC
 TCGTCCCCTGAGAAGACAGCCCCTGTTACTTCCACACCCTCCTACACCAATTCCTGCTCTCACCAC
 CTACCAAAGTACCAGAGCCAAATGAGAATGCTGGAGATGCTGTCCAGACCAAGCTTATTATGCTGGTTGA
 TGATTTCTACTATGGACGGGATGGGGGCAAGCAGCCAGCTCACGAGCTTCCCTAAGGTTGCCACGTCT
 TTCCGATGCCCTCATTGTACTAAGAGGCTAAAGAACAACATTCGATTCATGAACCACATGAAGCACCACG



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TAGAACTTGATCAACAGAATGGTGAGGTGGATGGTCACACCATCTGCCAGCACTGTTACCGCCAGTTCTC
 CACCCCTTTCCAGCTCCAGTGCCACTTGGAAAATGTTTCATAGTCCCTATGAATCTACTACCAAGTGAAG
 ATCTGTGAGTGGGCTTTGAAAGCGAGCCCTTGTCTCCAGCATATGAAGGACACCCACAAGCCTGGAG
 AGATGCCTTATGTTTGTGAGGTGTGTCAGTATCGCTCCTCCCTACTCTGAAGTAGATGTCATTTTCG
 GATGATCCATGAAGATACTCGGCATTTGCTTTGCCCGTATTGCCTAAAAGTCTTCAAAAATGGCAATGCC
 TTCCAGCAACTACATGAGGCACCAGAAGAGAAAATGTTTACTGCAACAAAATGCCGGCTGCAGTTTC
 TCTTTGCCAAGGACAAAATTGAACACAAGCTGCAGCACCATAAAAACCTTCGTAAGCCTAAGCAACTGGA
 AGGCTTGAAACCAGGCACCAAGGTGACAATCCGGGCTTCCCGGGGCAGCCGAGAAGCTGTTCTGTGTCT
 TCAAATGATGCACCTTCTGGCACCTTGCAGGAGGCAGCAGCGCTGACCTCCACTGACCCCTACCTGTCT
 TCCTTTATCCCTGTCCAGCGCAATATCCAGAAGAGAGCTGTTAGGAAAATGAGCGTCATGGGCCGCA
 GACATGTCTGGAGTGCAGCTTTGAGATTCCAGATTTTCTAATCATTTCCCTACCTATGTGCATTGTTCT
 CTCTGCCGATACAGCACCTGCTGCTCTAGAGCTTATGCCAATCACATGATCAACAATCATGTTCCACGGA
 AAAGTCCCAAGTATTTGGCTTTGTTAAAAATTTCTGTAAGTGAATCAAGCTGGCCTGCACCTTCGTGAC
 CTTTGCTACCTCCGTGGGAGATGCGATGGCCAAGCATTAGTGTCAACCCCTCCCACAGATCTAGCAAC
 ATCTTACCACGGGGCTCAGTTGGATGTCTCACTTGGAGCCTGGCCAGGCTTCTGAACGAGTGTTCGACT
 GGAGCATGAAGAATACATATCTTCCACCTCCCCTCGTCCCTAACAAAGCTGCCACTGTGAAGCCTGTAGG
 AGTCACCCAGCGGAGCCCAAGAGCTGGCAGGTCTGTGCTCCAGGCACCTCCATCCCCAGCCTCAACT
 GCAACCCACAGCAACCCCACTCACCCACAGCCCTCCGCCCTGCCACCTCGGCCACAGAGGGGACTG
 AGTGTCTGAATGTGAGTGAACAGGAAGAAGGAGCCCTGTACCCAGGATCCTGAGCCAGCATCAGGTGG
 TGGAGGTGGCAGTGGGGTTGGCAAGAAAGAGCAGCTGTCTGTGAAGAAGCTTCGGGTAGTACTGTTTGC
 CTGTGCTGCAACTGAACAGGGGCTGAACACTTTGAAACCCACAGCGGCAATCCGTCGTTGGCTTC
 GACGCTCCAGGCCTCTCAGGGAGAGAACTTAGAGGGCAATATCTCAGCTTTGAGGCAGAAGAAAACT
 GGCTGAATGGGTGCTGATCCAGAGAGAGCAGCAGCTCCCTGTAATGAGGAGACCTTGTTCAGAAGGCC
 ACCAAAATTGGACGCTCTTTGGAAGGGGGTTAAGATCTCTATGAGTGGGCTGTGCGCTTCATGCTTC
 GGACCACCTCACTCCCCATGCCCGGCGAGCTGTGCGCCACACGTTACCGAAGCATGTAGCAGAAAAATGC
 TGGACTCTTATTGAGTTTGTGACGCGCAGATTACAATCAGGACTTACCTTTGTCTATGATTGTGGCT
 ATTGATGAGATCTCTTTGTTCTGGACACAGAGGTGCTGAGCAGTGATGACCGAAAGGAGAACGCTCTGC
 AGACAGTGGGCACAGGGGAGCCTTGGTGTGACGTCGTGCTGGCTATCCTAGCAGATGGCACTGCTCTCC
 CACCTTGTTTTCTCCGAGGACAAGCGAATCGGTTGCTAATGTGCCAGACTCTATATTACTAGAGGCC
 AAAGACAGTGGCTACAGCGACGACGAAATCATGGAGCTTTGGTCAACCCGTGTATGGAAGAAGCACACAG
 CTTGTCAGCACAGCAAAGCATGTTGGTATGGACTGTATCGCACTCACTTGTGAGAAGAACTACTGGC
 CCTGCTCAGTGCCTCTAGCACTTTGCTGCGGTAGTCCCCGCGGTTGTAGCTCCAAAATCCAGCCACTA
 GATGTATGCATCAACGAACTGTTAAGAACTTCTGCACAAAAAGTGAAGAAGAACAGGCTCGGAAATGG
 CTGACGCTGCTTGTGATTCTGATGTCTTCTGCTTACGCTGGTGTGGTCTGGCTGGGAGAGGTGCTGGGTG
 CATTGGGGACTCCCCAGAGCTAGTTTCCAGCGTCTTCTTGTGGCTAGTGTCTGCCAGGTCCTGATGGC
 AACGTTAACTCACCCACACGCAACGCTGACATGCAGGAGGAGCTCATTGCCTCCCTAGAGGAGCAGCTCA
 AGCTAAATGGAGAACAGTCTGAGGAGCACTCAGCTTCTGCCCCGACCCAGGTCATCTCCTGAAGAGAC
 AGTCGAGCCTGAAAGCCTTACCAGCTTTTGGAGGGGAAAGTGAAGCAGGAGTCTTCTATGGCTTTGAG
 GAAGCTGACCTTGATCTGATGGAGATC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_172683

Insert Size:

4230 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).

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_172683.3, NP_766271.2</u>
RefSeq Size:	7642 bp
RefSeq ORF:	4230 bp
Locus ID:	229584
UniProt ID:	<u>Q8BZH4</u>
Cytogenetics:	3 F2.1
Gene Summary:	<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 (1) represents the longest transcript and encodes the longest isoform (1). 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>