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Product datasheet for SC308403

POGZ (NM_207171) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: POGZ (NM_207171) Human Untagged Clone

Tag: Tag Free

Symbol: POGZ

Synonyms: MRD37; WHSUS; ZNF280E; ZNF635; ZNF635m

Vector: pCMV6 series

Fully Sequenced ORF:

>NCBI ORF sequence for NM_207171, the custom clone sequence may differ by one or more nucleotides

ATGGCGGACACCGACCTGTTCATGGAATGTGAGGAGGAGGAGTTGGAGCCATGGCAGAAA
ATCAGTGATGTCATTGAGGACTCTGTAGTTGAAGATTATAATTCAGTGGATAAAACTACC
ACAGCTGGCAATCCTTTGGTCCAGCAAGGTGGACAGCCACTCATCCTGACCCAGAATCCA
GCCCCAGGTCTGGGCACAATGGTTACTCAACCAGTATTGAGGCCTGTTCAGGTCATGCAG
AATGCCAATCATGTGACTAGTTCCCCTGTGGCCTCACAACCAATATTTATCACTACGCAG
GGATTTCCTGTAAGGAATGTCCGGCCTGTACAAAATGCAATGAATCAGGTTGGGATTGTG
CTGAACGTACAGCAAGGCCAAACGGTTAGACCAATTACACTAGTTCCAGCCCCAGGTACC
CAGTTTGTTAAGCCGACAGTTGGAGTTCCACAAGTGTTCTCCCAGATGACCCCTGTGAGG
CCAGGCTCCACAATGCCTGTGAGGCCCACCACCAACACCTTCACCACCGTCATCCCGGCC
ACTCTTACCATTCGAAGCACCGTCCCACAGTCCCAGTCCCAGCAGACCAAGTCCACTCCC
AGCACTTCTACCACTCCCACTGCCACACAGCCAACCTCACTGGGGCAACTAGCTGTTCAG
TCTCCAGGCCAGTCAAACCAGACCACGAATCCCAAGCTAGCTCCCTCCTTCCCCTCTCCA
CCTGCAGTGAGCATTGCCAGCTTTGTCACTGTGAAGCGACCTGGTGTTACAGGCGAAAAT
AGCAATGAAGTGGCCAAATTGGTGAATACCCTTAACACCATCCCTTCCCTGGGCCAGAGT
CCTGGGCCAGTGGTGGTGTCCAACAACAGCTCTGCTCATGGCTCTCAAAGAACCAGCGGA
CCTGAGTCTTCAATGAAAGTGACCTCTTCCATCCCAGTATTTGACCTCCAGGATGGTGGA
CGGAAAATATGTCCACGATGTAATGCTCAATTTCGTGTTACTGAAGCTTTGAGAGGTCAC
ATGTGTTACTGTTGCCCAGAAATGGTTGAATACCAGAAGAAAGGAAAGTCCCTGGATTCA
GAACCCAGTGTCCCATCAGCAGCAAAGCCCCCATCCCCTGAGAAAACAGCTCCTGTTGCT
TCCACACCCTCTTCTACACCTATTCCTGCTCTGTCACCGCCTACCAAAGTACCAGAACCA
AATGAGAACGTGGGCGATGCCGTCCAGACCAAACTCATTATGCTTGTAGATGACTTCTAC
TATGGACGGGATGGTGGCAAAGTAGCCCAGCTCACAAATTTCCCTAAGGTCGCCACATCT
TTCCGATGCCCACATTGTACCAAAAGGCTAAAAAACAATATTCGATTCATGAACCATATG
AAACACCACGTAGAACTCGATCAGCAGAACGGTGAGGTAGATGGTCACACTATCTGCCAG
CACTGTTACCGCCAGTTTTCCACTCCCTTCCAGCTTCAGTGCCACTTGGAAAATGTTCAT
AGTCCCTATGAATCTACTACCAAGTGCAAGATCTGTGAATGGGCGTTTGAAAGTGAGCCA
CTATTTCTCCAGCATATGAAGGATACTCATAAGCCTGGAGAGATGCCTTATGTTTGCCAG
GTGTGTCAATATCGCTCCTCACTCTACTCTGAGGTAGATGTCCATTTTCGGATGATCCAT
GAGGATACCCGGCATCTGCTCTGCCCTTATTGCCTGAAGGTCTTCAAAAATGGCAATGCA

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TTCCAACAGCATTACATGAGGCACCAGAAGAGAAATGTTTATCACTGCAACAAATGCCGG
CTGCAGTTTCTCTTTGCCAAGGACAAAATTGAACACAAGCTTCAACACCATAAAACCTTC
CGTAAACCCAAGCAGCTGGAGGGCTTGAAACCAGGCACCAAGGTGACAATCCGGGCTTCC
CGAGGGCAGCCACGAACTGTTCCTGTATCCTCTAATGATACACCTCCCAGCGCCTTGCAG
GAGGCAGCACCGCTGACCTCCTCAATGGACCCTCTGCCTGTCTTCCTTTATCCCCCTGTC
CAGCGCAGCATCCAGAAGAGAGCTGTTAGGAAAATGAGTGTCATGGGCCGGCAGACATGC
CTGGAGTGCAGCTTCGAGATCCCAGACTTCCCTAATCATTTCCCTACTTACGTACACTGC
TCTCTGTGTCGCTATAGCACCTGCTGTTCTCGAGCTTATGCCAACCACATGATCAACAAT
CATGTTCCACGGAAGAGCCCCAAGTATTTGGCTTTGTTTAAAAATTCTGTGAGTGGAATC
AAGCTGGCCTGCACTTCATGTACCTTTGTTACCTCTGTGGGCGATGCTATGGCCAAGCAT
TTGGTATTCAACCCCTCTCACAGATCCAGCAGCATCCTGCCACGGGGACTCACTTGGATA
GCTCACTCAAGGCATGGCCAGACTCGTGACCGAGTGCATGACCGGAACGTGAAGAATATG
TACCCTCCTCCTTCCTTCCCCACTAACAAAGCTGCCACTGTGAAATCTGCGGGGGCCACC
CCAGCTGAGCCTGAAGAGCTACTAACTCCCTTAGCCCCAGCACTCCCATCACCAGCCTCA
ACTGCAACCCCACCACCAACCCCCACTCACCCGCAGGCTTTAGCCCTTCCACCGCTGGCT
ACAGAGGGAGCCGAATGTCTGAATGTTGATGATCAGGATGAAGGGAGCCCAGTCACCCAA
GAACCTGAGCTAGCATCAGGTGGTGGTGGTAGTGGTGGAGTTGGCAAAAAGGAGCAGCTG
TCTGTGAAGAAGCTTCGAGTAGTACTGTTTGCTCTATGCTGCAATACAGAACAGGCAGCT
GAACACTTCCGAAATCCCCAGCGACGTATTCGCCGTTGGCTTCGACGTTTCCAGGCCTCC
CAGGGGGAGAATCTAGAGGGCAAATATCTGAGCTTTGAGGCAGAAGAGAAACTGGCTGAG
TGGGTGCTAACCCAGCGCGAACAACAGCTACCTGTAAATGAGGAGACCTTGTTCCAGAAG
GCCACCAAAATAGGACGTTCTTTGGAAGGGGGGTTTAAGATCTCCTATGAGTGGGCTGTG
CGTTTCATGCTGCGGCACCACCTGACTCCCCATGCCCGGCGAGCTGTGGCCCACACCCTA
CCTAAGGATGTAGCAGAGAATGCAGGACTCTTCATTGATTTTGTACAACGGCAGATTCAC
AACCAGGACTTACCCTTGTCTATGATTGTGGCTATTGATGAGATCTCTTTGTTCCTGGAT
ACAGAGGTGCTGAGCAGTGATGATCGAAAGGAGAATGCCCTGCAGACAGTGGGCACAGGG
GAACCTTGGTGTGATGTAGTCCTAGCCATTCTGGCAGATGGCACTGTCCTTCCCACCCTG
GTTTTCTACAGAGGGCAGATGGATCAGCCTGCTAACATGCCAGACTCCATATTGCTAGAG
GCAAAGGAGAGTGGCTACAGTGATGACGAGATCATGGAGCTGTGGTCAACTCGAGTGTGG
CAGAAGCACACAGCTTGCCAGCGCAGCAAAGGCATGCTTGTGATGGACTGTCATCGCACT
CACTTGTCAGAAGAGGTACTGGCTATGCTTAGTGCCTCTAGCACTTTGCCTGCAGTGGTC
CCAGCAGGCTGTAGCTCCAAAATTCAGCCATTAGATGTATGCATCAAAAGAACTGTCAAG
AACTTCCTGCATAAAAAATGGAAGGAACAGGCTCGGGAAATGGCAGATACTGCATGTGAT
TCTGATGTCCTGCTTCAGCTGGTGCTTGTCTGGCTGGGTGAAGTGCTAGGTGTCATTGGG
GACTGTCCAGAGCTAGTTCAGCGCTCCTTCCTGGTGGCTAGTGTTCTGCCTGGCCCCGAT
GGCAACATTAACTCACCTACAAGAAATGCTGACATGCAGGAGGAGCTAATTGCCTCCCTA
GAGGAGCAACTGAAGCTGAGTGGGGAACATTCTGAGTCTTCCACTCCACGACCCAGATCA
TCTCCTGAAGAGACAATTGAGCCTGAAAGTCTTCACCAGCTCTTTGAGGGTGAAAGTGAG
ACCGAGTCTTTCTATGGCTTTGAAGAAGCTGACCTAGATCTGATGGAGATTTGA

Restriction Sites: Please inquire

ACCN: NM_207171

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_207171.1, NP_997054.1
RefSeq Size:	6459 bp
RefSeq ORF:	4074 bp
Locus ID:	23126
UniProt ID:	Q7Z3K3
Cytogenetics:	1q21.3
Gene Summary:	The protein encoded by this gene appears to be a zinc finger protein containing a transposase domain at the C-terminus. This protein was found to interact with the transcription factor SP1 in a yeast two-hybrid system. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Aug 2010] Transcript Variant: This variant (2) differs in the 5' UTR and lacks an in-frame exon compared to variant 1. The resulting isoform (2) is shorter than isoform 1.