

Product datasheet for RC217850

POGZ (NM_145796) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POGZ (NM_145796) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	POGZ
Synonyms:	MRD37; WHSUS; ZNF280E; ZNF635; ZNF635m
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217850 representing NM_145796 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGACACCGACCTGTTTCATGGAATGTGAGGAGGAGGAGTTGGAGCCATGCCAGAAAATCAGTGATG
TCATTGAGGACTCTGTAGTTGAAGATTATAATTCAGTGGATAAACTACCACAGTTTCTGTGAGCCAGCA
GCCAGTCTCGGCTCCAGTGCCCATCGCTGCCATGCTTCTGTTGCTGGGCACCTCTACATCCACCACC
GTTAGTAGCAGCGGGGCACAGAACGCGACAGTACAAAGAAGACTCTTGTACACTAATTGCCAACACA
ATGCCCCAGGTACCCAGTTTGTAAAGCCGACAGTTGGAGTCCACAAGTGTCTCCAGATGACCCCTGT
GAGGCCAGGCTCCACAATGCCTGTGAGGCCACCACCAACACCTTACCACCGTCATCCCGCCACTCTT
ACCATTGGAAGCACCGTCCCACAGTCCCAGTCCCAGCAGACCAAGTCCACTCCCAGCACTTCTACCACTC
CCTGCCACACAGCCAACTCACTGGGCAACTAGCTGTTTCACTCTCCAGGCCAGTCAAACCAGACCAC
GAATCCCAAGCTAGCTCCCTCCTCCCTCTCCACCTGCAGTGAGCATTGCCAGCTTTGTCACTGTGAAG
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CCCTGGGCCAGAGTCTGGGCCAGTGGTGGTGTCCAACAACAGCTCTGCTCATGGCTCTCAAAGAACCAG
CGGACCTGAGTCTTCAATGAAAGTGACCTCTCCATCCCAGTATTTGACCTCCAGGATGGTGGACGGAAA
ATATGTCACGATGTAATGCTCAATTTCTGTTACTGAAGCTTTGAGAGGTCACATGTTACTGTTGCC
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GCCCCATCCCTGAGAAAACAGCTCCTGTTGCTTCCACACCCTTCTACACCTATTCCTGCTCTGTCA
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CAAGATCTGTGAATGGGCGTTTAAAGTGAGCCACTATTTCTCCAGCATATGAAGGATACTCATAAGCCT



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GGAGAGATGCCTTATGTTTGCCAGGTGTGTCAATATCGCTCCTCACTCTACTCTGAGGTAGATGTCCATT
TTCGGATGATCCATGAGGATACCCGGCATCTGCTCGCCCTTATTGCCTGAAGGTCTTAAAAATGGCAA
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ACGCGTACGCGGGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RC217850 representing NM_145796
Red=Cloning site Green=Tags(s)

MADTDLFMECEEELEPWQKISDVIEDSVVEDYNSVDKTTTVSVSQPVSAPVPIAAHASVAGHLSTSTT
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TIRSTVPQSQSQTKSTPSTSTTPTATQPTSLGQLAVQSPGQSNQTTNPKLAPSFPSPPAVSIASFVTVK
RPGVTGENSNEVAKLVNTLNTIPSLGQSPGPVVVSNSSAHGSQRTSGPESSMKVTSIPVFDLQDGGRK
ICPRCNAQFRVTEALRGHMCYCCPEMVEYQKKGKSLDSEPSVPSAAKPPSPEKTAPVASTPSSTPIALS
PPTKVPEPNENVGDAVQTKLIMLVDDFYGRDGGKVAQLTNFPKVATSFRCPHCTKRLKNNIRFMNHMKH
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PVFLYPPVQRSIQKRAVRKMSVMGRQTCLECSFEIPDFPNHFPTYVHCSLCRYSTCCSRAYANHMINNHV
PRKSPKYLALFKNSVSGIKLACTSCTFVTSVGDAMAKHLVFNPSHRSSSILPRGLTWIAHSRHGQTRDRV
HDRNVKNMYPSPFPTNKAATVKSAGATPAEPEELLTPLAPALPSPASTATPPPTPTHPQALALPLATE
GAELNVDQDEGSPVTQPELASGGGGSGGVGKKEQLSVKCLRVLVFCNTEQAAEHFRNPQRRIRR
WLRRFQASQGENLEKYLSEAEKLAEWLTVREQLPVNEETLFQKATKIGRSLGEGFKISYEWAVRF
MLRHLLTPHARRAVAHTLPKDVAENAGLIDFVQRQIHNDLPLSMIVAIDEISLFLDTEVLSSDDRKEN
ALQTVGTGEPWCDVLAIDLADGTVLPTLVFYRQMDQPANMPDSILLEAKESGYSDDEIMELWSTRVWQK
HTACQRSKGMVMDCRTHLSEVLAMLASSTLPAVVPAGCSSIQPLDVCIKRTVKNFLHKKWKEQAR
EMADTACDSVLLQLVLVWLVGEVLGVIGDCPELVQRSFLVASVLPDGNINSPTRNADMQEELIASLEE
QLKLSGEHSESSTPRPRSSPEETIEPELHQLFEGESETEFSYGFEEADLDLMEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2748_b04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

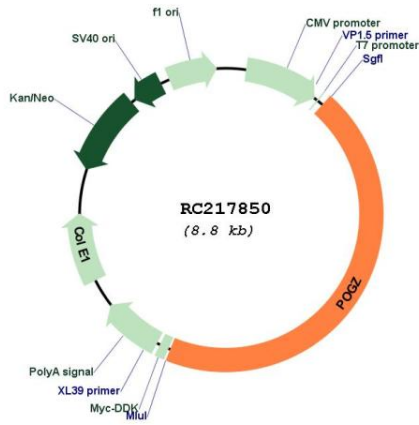


ACCN: NM_145796

ORF Size: 3945 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_145796.4
RefSeq Size:	6351 bp
RefSeq ORF:	3948 bp
Locus ID:	23126
UniProt ID:	Q7Z3K3
Cytogenetics:	1q21.3
Domains:	zf-C2H2
MW:	145.3 kDa
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]

Product images:



Circular map for RC217850