

Product datasheet for **RG217850**

POGZ (NM_145796) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POGZ (NM_145796) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	POGZ
Synonyms:	MRD37; WHSUS; ZNF280E; ZNF635; ZNF635m
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217850 representing NM_145796 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGACACCGACCTGTTTCATGGAATGTGAGGAGGAGGAGTTGGAGCCATGCCAGAAAATCAGTGATG
TCATTGAGGACTCTGTAGTTGAAGATTATAATTCAGTGGATAAACTACCACAGTTTCTGTGAGCCAGCA
GCCAGTCTCGGCTCCAGTGCCCATCGCTGCCATGCTTCTGTTGCTGGGCACCTCTACATCCACCACC
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ATGCCCCAGGTACCCAGTTTGTAAAGCCGACAGTTGGAGTCCACAAGTGTCTCCAGATGACCCCTGT
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ACCATTGGAAGCACCGTCCCACAGTCCCAGTCCCAGCAGACCAAGTCCACTCCCAGCACTTCTACCACTC
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CGGACCTGAGTCTTCAATGAAAGTGACCTTCCATCCCAGTATTTGACCTCCAGGATGGTGGACGGAAA
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GGAGAGATGCCTTATGTTTGCCAGGTGTGTCAATATCGCTCCTCACTCTACTCTGAGGTAGATGTCCATT
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TTGAGCCTGAAAGTCTTACCAGCTCTTTGAGGGTGAAGTGAGACCGAGTCTTTCTATGGCTTTGAAGA
AGCTGACCTAGATCTGATGGAGATT

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG217850 representing NM_145796
 Red=Cloning site Green=Tags(s)

MADTDLFMECEEELEPWQKISDVIEDSVVEDYNSVDKTTTTSVVSQPPVSAPVPIAAHASVAGHLSTSTT
 VSSSGAQNSDSTKKTLLVLIANNAPGTQFVKPTVGVPQVFSQMTVPVRPGSTMPVRPTTNTFTTVIPATL
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 HDRNVKNMYPSPFPTNKAATVKAGATPAEPEELLTPLAPALPSPASTATPPPTPTHPQALALPPLATE
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 ALQTVGTGEPWCDVVLAILADGTVLPTLVFYRQMDQPANMPDSILLEAKESGYSDDEIMELWSTRVWQK
 HTACQRSKGMLVMDCHRTHLSEEVLA ML SASSTLPAVVPAGCSSKIQPLDVCIKRTVKNFLHKKWKEQAR
 EMADTACDSVLLQLVLVWLGEVLGVIGDCPELVQRSFLVASVLPGPDGNINSPTRNADMQEELIASLEE
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TRTRPLE - GFP Tag - V

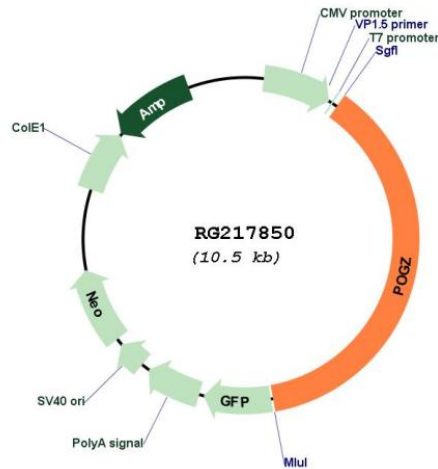
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



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:

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

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]