

## Product datasheet for **MG222617**

### Pax5 (NM\_008782) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pax5 (NM\_008782) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Pax5  
**Synonyms:** BSAP; EBB-1; KLP; Pax-5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG222617 representing NM\_008782  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGATTTAGAGAAAAATTACCGACTCCTCGGACCATCAGGACAGGACATGGAGGAGTGAATCAGCTTG  
 GGGGGTTTTTGTGAATGGACGGCCACTCCAGATGTAGTCCGCCAAAGGATAGTGAAC TTGCCATCA  
 AGGTGTCAGGCCCTGCGACATCTCCAGGCAGTTCGGGTAGCCATGGTTGTGTCAGCAAATTCTTGGC  
 AGGTATTATGAGACAGGAAGCATCAAGCCGGGGTATTGGAGGATCAAACCAAAGTTGCCACTCCCA  
 AAGTGGTGGAAAAATCGCTGAGTACAAACGCCAAACCTACCATGTTTGCCTGGGAGATCAGGGACCG  
 GCTGTTGGCAGAGCGAGTCTGTGACAATGACACTGTGCCAGCGTCAGCTCCATCAACAGGATCATTCCG  
 AAAAAGTACAGCAGCCCCCAATCAGCCGGTCCAGCTTCCAGTCACAGCATAGTGTCTACAGGCTCCG  
 TGACGCAGGTGTCATCGGTGAGCACCGACTCCGCGGGCTCCTCATACTCCATCAGTGGCATCCTGGGCAT  
 CACGTCCCCCAGTGCCGACCAACAAACGCAAGAGGGATGAAGGTATTCAGGAGTCTCCAGTGCCGAAT  
 GGCCACTCACTTCGGGGCCGGGACTTCTCCGGAAGCAGATGCGGGGAGACCTGTTACACAGCAGCAGC  
 TGGAGGTGCTGGACCGCGTGTGAGAGACAGCACTACTCTGACATCTTACCACCACGGAACCCATCAA  
 GCCAGAACAGACCACAGAGTATTCAGCCATGGCTTCACTGGCTGGAGGCTGGATGACATGAAAGCCAAC  
 TTGACGAGCCCCACCCCGCTGACATCGGAGCAGCGTTCCAGGCCACAGTCTACCCTATTGTACAG  
 GCCGAGACTTGGCGAGCACAAACCTCCCGGGTACCCTCCACACGTCCCCCGCTGGACAGGGCAGCTA  
 CTCTGCACCGACGCTGACAGGGATGGTGCCTGGGAGTGAATTTTCTGGAAGTCCCTACAGCCACCCTCAG  
 TATTCTTCTACAATGATTCTTGAGGTTCCCAACCCAGGGCTGCTTGCTCCCATACTATTACAGCC  
 CTGACGCCGAGGAGCGGCCCCACCGGCCGAGCCACCGCCTATGACCGTCAC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



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**Protein Sequence:** >MG222617 representing NM\_008782  
 Red=Cloning site Green=Tags(s)

MDLEKNYTPRTIRTGHGGVNQLGGVFNVRPLPDVVRQRIVELAHQGVRPCDISRQLRVSHGCVSKILG  
 RYYETGSIKPGVIGGSKPKVATPKVVEKIAEYKRQNPMTFAWEIRDLLAERVCDNDTPSVSSINRIIR  
 TKVQQPPNPVPASSHSIVSTGSVTQVSSVSTDSAGSSYSISGILGITSPSADTNKRKRDEGIQESPVPN  
 GHSLPGRDFLRKQMRGDLFTQQQLEVLDRVFERQHYSDIFTTTEPIKPEQTTEYSAMASLAGGLDDMKAN  
 LTSPTPADIGSSVPGPQSYPIVTGRDLASTTLPGYPPHVPPAGQGSYSAPTLTGMVPGSEFSGSPYSHPQ  
 YSSYNDSWRFPNPGLLGSPYYSYPAARGAAPPAATAYDRH

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_008782

**ORF Size:** 1173 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\\_008782.3](#)

**RefSeq Size:** 1208 bp

**RefSeq ORF:** 1176 bp

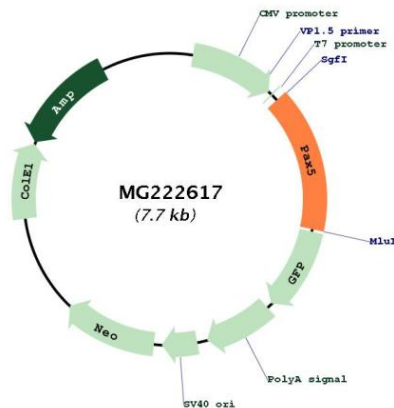
**Locus ID:** 18507

**UniProt ID:** [Q02650](#)

**Cytogenetics:** 4 23.55 cM

**Gene Summary:** May play an important role in B-cell differentiation as well as neural development and spermatogenesis. Involved in the regulation of the CD19 gene, a B-lymphoid-specific target gene.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG222617