

Product datasheet for **MG207296**

Pax8 (NM_011040) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pax8 (NM_011040) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pax8
Synonyms:	Pax; Pax-8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207296 representing NM_011040
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTCACAACTCGATCAGATCCGGCCATGGAGGGCTGAATCAACTAGGAGGGGCTTTGTGAATGGCA
 GGCTCTGCCAGAAGTTGTACGTCAACGCATTGTGGACTTGGCCACCAGGGCGTGAGGCCCTGTGATAT
 TTCTCGCCAGCTCCGTGTGAGCCATGGCTGTGTAAGCAAGATCCTTGGCAGGTACTIONGAGACTGGCAGC
 ATCCGGCTGGAGTGATAGGGGGCTCCAAGCCCAAGGTGGCCACCCCAAGGTGGTGGAGAAGATAGGAG
 ACTACAAGCGGCAGAACCCTACCATGTTTGCTTGGGAGATCCGGGACCGGCTCCTGGCAGAAGGCGTTTG
 TGACAATGACTGTCCCAGTGTGAGTCCATCAACAGAATCATCCGGACCAAAGTGCAGCAGCCATTC
 AACCTCCCATGGATAGCTGTGTGGCCACCAAGTCTCTGAGCCAGGACACACTGATCCCAGCTCAG
 CTGTAACACCCAGAGTACCCAGTCGGATTCTTGGGCTCTACCTACTCTATCAACGGGCTCCTAGG
 AATTGCTCAGCCTGGCAATGACAACAAGAGAAAGATGGATGATAGTGACCAGGACAGCTGTGGCTAAGC
 ATCGACTCACAGAGCAGCAGCAGTGGTCCCTCGAAAGCACCTTCGTACGGACACCTTCAGCCAGCACCATC
 TCGAGGCCCTTGAGTGCCCGTTTGGAGCGGACGATTACCCGGAGGCCATGCCTCCCCAGCCACACCAA
 AGGGGAGCAGGGGCTGTACCCACTGCCCTTACTCAACAGTGCCCTGGATGATGGGAAGGCCACCCTGACA
 TCTTCCAATACACCTCTGGGACGCAACCTCTCGACTCACCAGACCTACCTGTGGTGGCAGATCCTCATT
 CACCCTTCGCCATAAAGCAGGAAACCCAGAGCTCTCCAGTTCTAGTCCACCCCTTCTCTTTATCTAG
 CTCCGCTTTTGGATCTGCAGCAAGTCGGCTCTGGGGCCAGCAGGTGCCTCGGTCCCACCCCTCAAT
 GCCTTTCCCATGCTGCCTCCGTGTATGGGAGTTCACGGGCCAGGCCCTCCTCTCAGGGCGAGAGATGG
 TGGGGCCACGCTGCCTGGATACCCACCCACATCCCCACCAAGTGGACAGGGCAGCTATGCCTCTCTGC
 TATCGCAGGCATGGTGGCAGGAAGTGAATATTCTGGCAATGCCTACAGCCACACCCCGTATTCTCTAC
 AGTGAGGCTGGCGCTTCCCAACTCCAGCCTGCTGAGTTCTCCATATTATTACAGCTCTACATCAAGGC
 CAAGCGCACCCACCTCTGCCACAGCCTTTGACCATCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207296 representing NM_011040
 Red=Cloning site Green=Tags(s)

MPHNSIRSGHGGLNQLGGAFVNGRPLPEVVRQRIVDLAHQGVVPCDISRQLRVSHGCVSKILGRYYETGS
 IRPGVIGGSKPKVATPKVVEKIGDYKRQNTMFAWEIRDRLAEGVCDNDTVPSVSSINRIIRTKVQPPF
 NLPMDSCVATKSLSPGH TLIPSSAVTPPESPQSDSLGSTYSINGLLGIAQPGNDNKRKMDSDQDSCRLS
 IDSQSSSSGPRKHLRTDTFSQHHLEALECFERQHYPEAYASPSHTKGEQGLYPLPLLSALDDGKATLT
 SSNTPLGRNLSTHQYTPVADPHSPFAIKQETPELSSSSSTPSSLSSSAFLDLQQVGSGGPAGASVPPFN
 AFPHAASVYQFTGQALLSGREMVGPTLPGYPPHIPTSGQGSYASSAIAGMVAGSEYSGNAYSHTPYSSY
 SEAWRFPNSSLLSSPYYSSTSRPSAPPTSATAFDHL

TRTRPLE - GFP Tag - V

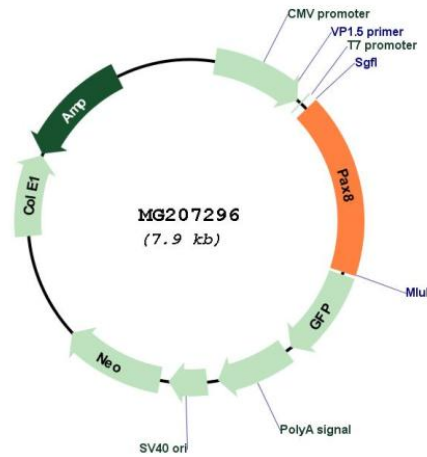
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_011040

ORF Size: 1371 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:	<u>NM_011040.4</u>
RefSeq Size:	2527 bp
RefSeq ORF:	1374 bp
Locus ID:	18510
UniProt ID:	<u>Q00288</u>
Cytogenetics:	2 16.43 cM
Gene Summary:	This gene encodes a member of a family of transcription factors that contain a characteristic N-terminal paired DNA-binding domain. The encoded protein is important for proper differentiation of the thyroid and the kidney. Alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Mar 2013]