

Product datasheet for **MG200202**

Fxyd3 (BC002039) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fxyd3 (BC002039) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Fxyd3
Synonyms: Mat8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200202 representing BC002039
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAGAGGTTGTTCTGAGCCTGTTGGTCTTCTAGCAGGCCTGCCTACTTTGGATGCCAATGACCCTG
AAAATAAAATGATCCTTCTACTATGATTGGTACAGCCTCCGAGTCGGCGGGCTCATTTGTGCAGGGAT
TCTCTGTGCCCTGGGCATTATAGTCCTTATGAGTGGCAAATGCAAATGCAAGTTCAGACAGAAACCCAGT
CACCGCCAGGAGAAGGGCCACCTCTCATCACACCAGGCTCAGCTCACAACTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200202 representing BC002039
Red=Cloning site **Green**=Tags(s)

MQEVLVLLVLLAGLPTLDANDPENKNDPFYYDWYSLRVGGLICAGILCALGIIVLMSGKCKCKFRQKPS
HRPGEPPPLITPGSAHNC

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



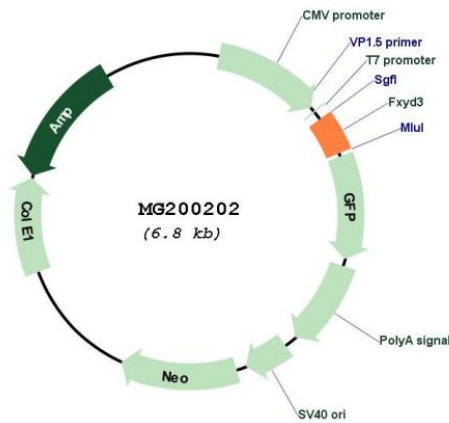
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Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC002039

ORF Size: 266 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>BC002039</u> , <u>AAH02039</u>
RefSeq Size:	503 bp
RefSeq ORF:	266 bp
Locus ID:	17178
Cytogenetics:	7 B1
Gene Summary:	This gene encodes a member of a family of small membrane proteins that share a 35-amino acid signature sequence domain, beginning with the sequence PFXYD and containing 7 invariant and 6 highly conserved amino acids. The encoded protein is a transmembrane protein that functions as a specific regulator of Na,K-ATPase. [provided by RefSeq, Aug 2009]