

Product datasheet for **MG219730**

Fxyd1 (NM_019503) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fxyd1 (NM_019503) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Fxyd1
Synonyms: 0610012C17Rik; 1110006M24Rik; P; Plm; Pml
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG219730 representing NM_019503
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGCAATGGCATCTCCCGCCACATCCTGGCTCTGTGTGTGTCTCCTCTCCATGGCCAGTGCAG
AAGCTCCACAGGAACCGGATCCATTCACCTACGATTACCACACCCTGCGGATCGGCGGCCTCACTATCGC
TGGGATCCTTTCATCTTGGGCATCCTTATCATCCTTAGCAAGAGATGTCGATGCAAATTCACCAACAG
CAGAGAACTGGGAACCCGACGAAGAGGAGGGAACCTTCCGCAGCTCCATCCGCCGTCTGTCATCCCGCA
GGCGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG219730 representing NM_019503
Red=Cloning site Green=Tags(s)
MGAMASPGHILALCVLLSMASAEAPQEPDPFTYDYHTLRIGGLTIAGILFILGILIILSKRCRCKFNQQ
QRTGEPDEEEGTFRSSIRRLSSRRR

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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_019503.4 , NP_062376.2
RefSeq Size:	575 bp
RefSeq ORF:	288 bp
Locus ID:	56188
UniProt ID:	Q9Z239
Cytogenetics:	7 B1
Gene Summary:	This gene encodes a member of the FXVD family of small membrane proteins that share a 35-amino acid signature sequence domain, beginning with the sequence PFXVD and containing 7 invariant and 6 highly conserved amino acids. The protein encoded by this gene is a plasma membrane substrate for several kinases, including protein kinase A, protein kinase C, NIMA kinase, and myotonic dystrophy kinase. It is thought to form an ion channel or regulate ion channel activity and act as an accessory protein of Na,K-ATPase. Alternatively spliced transcript variants have been described. [provided by RefSeq, Sep 2009]