

Product datasheet for **MC226102**

Fxyd5 (NM_001287217) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fxyd5 (NM_001287217) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fxyd5
Synonyms: EF-8; Oi; Oit2; RIC
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226102 representing NM_001287217
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCAGTGTCCAGTCGCCTGTGTCTCCTCACTATTGTCGCCCTGATTCTGCCAGCAGAGGGCAGACAC
CAAAAAAGCCACATCCATTTTTACAGCGGACCAGACTTCTGCGACTACTCGTGACAATGTCCAGATCC
AGATCAAACCAGCCAGGAGTCCAGACCACCCCTCTCATCTGGACCAGAGAAGCAGAAGCCACAGGAAGC
CAGACAGCAGCCAAACCGAGACCCAGCAACTGACAAAAATGGCCACCTCGAATCCAGTGTGATCCAG
GGCCACATACAAGCAGCAAGAAAGGTACCCCTGCACTCCAGGATCGAGCCTCTCAGCCATCCAAAAA
CTTCATGCCTCCATCCTACATTGAACATCCACTGGATTGGAATGAGAACAACCCCTTCTACTACGATGAT
ACTACCCCTCCGGAAACGGGGACTGCTGGTGGCTGCGGTGCTGTTTCATCACGGGAATTATCATTCTCACTA
GTGGGAAGTGTAGGCAGTTGTCTCAATTTGCCTGAATCGCCACAGG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001287217
Insert Size: 540 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001287217.1</u> , <u>NP_001274146.1</u>
RefSeq Size:	1028 bp
RefSeq ORF:	540 bp
Locus ID:	18301
Cytogenetics:	7 B1
Gene Summary:	<p>This gene encodes a precursor protein that is member of the FXYP family of transmembrane glycoproteins. Like most members of the FXYP family, the encoded protein is a subunit of the sodium-potassium adenosine triphosphatase pump. FXYP family members have tissue-specific expression and differentially regulate the activity of this pump. The protein encoded by this gene also plays a role in cell adhesion and motility. The orthologous human protein inhibits epithelial cadherin, a calcium-dependent adhesion protein and is associated with cancer (promotes metastasis). Alternative splicing of this mouse gene results in multiple transcript variants. [provided by RefSeq, Dec 2013]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and uses an alternate in-frame splice site in the 5' coding region compared to variant 1. The encoded protein (isoform b) is longer than isoform a. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>