

Product datasheet for **MG216343**

Fxyd5 (NM_001111073) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fxyd5 (NM_001111073) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Fxyd5
Synonyms: EF-8; Oi; Oit2; RIC
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG216343 representing NM_001111073
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCAGTGTCCAGTCCGCTGTGTCTCCTCACTATTGTCGCCCTGATTCTGCCAGCAGAGGGCAGACAC
 CAAAAAGCCACATCCATTTTTACAGCGGACCAGACTTCTGCGACTACTCGTACAATGTCCAGATCC
 AGATCAAACAGCCAGGAGTCCAGACCACCCCTCTCATCTGGACCAGAGAAGAAGCCACAGGAAGCCAG
 ACAGCAGCCAAACCGAGACCCAGCAACTGACAAAAATGGCCACCTCGAATCCAGTGTGATCCAGGGC
 CACATAAAGCAGCAAGAAAGGTACCCCTGCAGTCTCCAGGATCGAGCCTCTCAGCCATCCAAAACTT
 CATGCCTCCATCCTACATTGAACATCCACTGGATTGGAATGAGAACAACCCCTTCTACTACGATGATACT
 ACCCTCCGAAACGGGGACTGCTGGTGGCTGCGGTGCTGTTTCATCACGGGAATTATCATTCTCACTAGTG
 GGAAGTGTAGGCAGTTGTCTCAATTTGCTGAATCGCCACAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216343 representing NM_001111073
 Red=Cloning site Green=Tags(s)

MSLSSRLLLTIVALILPSRQTPKKPTSIFTADQTSATTRDNVDPDQTPSPGVQTTPLIWTREEATGSQ
 TAAQTETQLTKMATSNPVSDFPHTSSKKGTPAVSRIEPLSPSKNFMPPSYIEHPLDSNENPFYYDDT
 TLRKRGLLVAAVLFITGIIILTSKCRQLSQFCLNRHR

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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_001111073.2</u> , <u>NP_001104543.1</u>
RefSeq Size:	1144 bp
RefSeq ORF:	537 bp
Locus ID:	18301
UniProt ID:	<u>P97808</u>
Cytogenetics:	7 B1
Gene Summary:	This gene encodes a precursor protein that is member of the FXYD family of transmembrane glycoproteins. Like most members of the FXYD family, the encoded protein is a subunit of the sodium-potassium adenosine triphosphatase pump. FXYD 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]