

Product datasheet for MC209073

Fxyd5 (NM_001111073) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fxyd5 (NM_001111073) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fxyd5
Synonyms:	EF-8; Oi; Oit2; RIC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209073 representing NM_001111073 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAGTGTCCAGTCGCCTGTGTCTCCTCACTATTGTCGCCCTGATTCTGCCAGCAGAGGGCAGACAC
CAAAAAAGCCACATCCATTTTACAGCGGACCAGACTTCTGCGACTACTCGTGACAATGTCCAGATCC
AGATCAAACAGCCAGGAGTCCAGACCACCCCTCTCATCTGGACCAGAGAAGAAGCCACAGGAAGCCAG
ACAGCAGCCCAAACCGAGACCCAGCAACTGACAAAAATGGCCACCTCGAATCCAGTGTGATCCAGGGC
CACATACAAGCAGCAAGAAAGGTACCCCTGCAGTCTCCAGGATCGAGCCTCTAGCCCATCAAAAACTT
CATGCCTCCATCCTACATTGAACATCCACTGGATTGGAATGAGAACAAACCCCTTCTACTACGATGATACT
ACCCTCCGGAACGGGGACTGCTGGTGGCTGCGGTGCTGTTTCATCACGGGAATTATCATTCTCACTAGTG
GGAAGTGTAGGCAGTTGTCTCAATTTTGCTGAATCGCCACAGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001111073
Insert Size:	537 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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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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001111073.2 , NP_001104543.1
RefSeq Size:	1165 bp
RefSeq ORF:	537 bp
Locus ID:	18301
UniProt ID:	P97808
Cytogenetics:	7 B1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein.</p>