

Product datasheet for MC206885

Fxyd6 (BC042579) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fxyd6 (BC042579) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fxyd6
Synonyms:	0610030I18Rik; Php
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206885 representing BC042579. Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGGAGACGGTGCTGGTCCTCTGCAGCTTGCTGGCCCCTGTGGTCCTGGCGAGTGCAGCTGAGAAGGAG
 AAAGAAAAGGATCCTTTCTATTACGACTACCAGACCCTGAGGATTGGGGGTTGGTGTTCGCTGTGGTC
 CTCTTCTCCGTTGGGATACTTCTCATCCTCAGTCGCAGATGCAAGTGCAGTTTCAATCAGAAGCCCAGG
 GCTCCAGGTGACGAAGAGGCCAGGTGGAGAACCTCATCACTACAAACGCTGCAGAGCCCCAGAAGGCA
 GAGAACTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	BC042579
Insert Size:	285 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).
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).


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Reconstitution Method:

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: [BC042579](#)

RefSeq Size: 1600 bp

RefSeq ORF: 284 bp

Locus ID: 59095

Cytogenetics: 9 A5.2

MW: 10.4 kDa

Gene Summary: This reference sequence was derived from multiple replicate ESTs and validated by similar human genomic sequence. 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 approved human gene nomenclature for the family is FXYD-domain containing ion transport regulator. Transmembrane topology has been established for two family members (FXYP1 and FXYD2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. FXYD2, also known as the gamma subunit of the Na,K-ATPase, regulates the properties of that enzyme. FXYD1 (phospholemman), FXYD2 (gamma), FXYD3 (MAT-8), FXYD4 (CHIF), and FXYD5 (RIC) have been shown to induce channel activity in experimental expression systems. This gene product, Fxyd6, is novel and has not been characterized as a protein. [RefSeq curation by Kathleen J. Sweadner, Ph.D., sweadner@helix.mgh.harvard.edu., Jul 2006]