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Product datasheet for MC226608

Fgf13 (NM_001290414) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgf13 (NM_001290414) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fgf13
Synonyms:	Fhf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226608 representing NM_001290414 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGTGGAAAGGTGACCAAGCCCAAAGAGGAGAAAGATGCTTCTAAGGTTCTGGATGACGCCCCCCCTG GCACACAGGAATACATTATGTTACGACAAGATTCCATCCAATCTGCGGAATTAAAGAAAAAAGAGTCCCC CTTTCGTGCTAAGTGTCACGAAATCTTCTGCTGCCCGCTGAAGCAAGTGCACCACAAAGAAAACACAGAA CCCGAAGAGCCTCAGCTTAAGGGTATAGTTACCAAACTATACAGCCGACAAGGCTACCACTTGCAACTGC AGGCAGATGGAACCATTGATGGCACCAAAGACGAGGACAGCACTTACACTCTGTTTAACCTCATCCCTGT GGGTCTTCGGGTGGTGGCTATTCAAGGAGTTCAAACCAAGCTGTATTTGGCAATGAACAGCGAGGGATAC TTGTACACCTCGGAACATTTCACACCTGAGTGCAAATTCAAAGAATCAGTGTTTGAAAATTATTACGTGA CATACTCATCAATGATCTACCGTCAGCAGCAATCCGGCCGAGGGTGGTATCTAGGTCTGAACAAAGAAGG AGAGATCATGAAAGGCAACCATGTGAAGAAGAACAAGCCTGCAGCACATTTTCTGCCCAAACCACTGAAA GTGGCCATGTACAAGGAGCCATCTCTGCACGATCTCACGGAGTTCTCCCGATCTGGAAGTGGGACCCCGA CCAAGAGCAGAAGCGTCTCTGGTGTACTGAATGGAGGCAAATCCATGAGCCACAACGAATCAACGTAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001290414
Insert Size:	768 bp

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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).
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:	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_001290414.1, NP_001277343.1
RefSeq Size:	2504 bp
RefSeq ORF:	768 bp
Locus ID:	14168
Cytogenetics:	X 33.31 cM
Gene Summary:	Microtubule-binding protein which directly binds tubulin and is involved in both polymerization and stabilization of microtubules. Through its action on microtubules, may participate to the refinement of axons by negatively regulating axonal and leading processes branching. Plays a crucial role in neuron polarization and migration in the cerebral cortex and the hippocampus.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is longer than isoform 1. 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.