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Product datasheet for SC322004

MFAP4 (NM_002404) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MFAP4 (NM_002404) Human Untagged Clone
Tag:	Tag Free
Symbol:	MFAP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene sequence for SC322004
CATGAAGGCACTCCTGGCCCTGCCGCTGCTGCTGCTTCTCTCCACGCCCCCGTGTGCCCC
CCAGGTCTCCGGGATCCGAGGAGATGCTCTGGAGAGGTTTTGCCTTCAGCAACCCCTGGA
CTGTGACGACATCTATGCCCAGGGCTACCAGTCAGACGGCGTGTACCTCATCTACCCCTC
GGGCCCCAGTGTGCCTGTGCCCGTCTTCTGTGACATGACCACCGAGGGCGGGAAGTGGAC
GGTTTTCCAGAAGAGATTCAATGGCTCAGTAAGTTTCTTCCGCGGCTGGAATGACTACAA
GCTGGGCTTCGGCCGTGCTGATGGAGAGTACTGGCTGGGGCTGCAGAACATGCACCTCCT
GACACTGAAGCAGAAGTATGAGCTGCGAGTGGACTTGGAGGACTTTGAGAACAACACGGC
CTATGCCAAGTACGCTGACTTCTCCATCTCCCCGAACGCGGTCAGCGCAGAGGAGGATGG
CTACACCCTCTTTGTGGCAGGCTTTGAGGATGGCGGGGTAGGTGACTCCCTGTCCTACCA
CAGTGGCCAGAAGTTCTCTACCTTCGACCGGGACCAGGACCTCTTTGTGCAGAACTGCGC
AGCTCTCTCCTCAGGAGCCTTCTGGTTCCGCAGCTGCCACTTTGCCAACCTCAATGGCTT
CTACCTAGGTGGCTCCCACCTCTCTTATGCCAATGGCATCAACTGGGCCCAGTGGAAGGG
CTTCTACTACTCCCTCAAACGCACTGAGATGAAAATCCGCCGGGCCTGAAGGGCTGGCCC
CCTCAGGCACCTTTCCTCCCCTGGACACCCATGGTCTCCATGAGTGCTCCCTCTGCTGCC
CCTGATGCATGCTTCTGCTGATTCCCGAGCACCAACTCCTTACAAGGGGGCCTTGTGGCT
CTCAGCCATGCCACATCCCTGTCACACACCCAGGGCATCCATTCCTAAGCCAGACCCGGC
TCCCCTACACCTGAAGTTACACTGCCAGCAGTTCCCCAGGCCTCTTCCGAGAGGCACATG
GTTCTAGCCTGGACCTGGCTGGGCTCCATGAGAATGAGTTGCCTCCACCCTGTCCCAACA
GCTGACAGCCAGGAGCCACTCTCCCAGCTGCAGGCCTTTGTGGTCCATCTTGTCCTGCTT
CCTCACTGTGGACCCCTGTCTGGGCCACCCTAGTGTGCTAAGCTGAGCAGTGCAGTGTGA
ACAGGGCCCATGGTGTATTCTAGGCCACAGCCCAGCACTCCTCTGGGCTGCTCTCAAACC
ATGTCCCATCTTCAGCATCCCTCCCACCAACTTACTCCCCTGTGGTGAGTACCGTGGAAC
CCCAGCCCACCTCACTATCATACTCAGCTTCCCCTGATGGCCCATCCCAGCCCCTGAAGC
TCTATGCCAAGAACACAGCTACCGCACACCACCCTGAAACAGCCACAGCCAAGGTAGGCA
TGCATATGAGGTCTTCCCCATACCCTCTGGGTGTTGAGAGGTTTAGCCACATGAGGGAGC
AGAGGACAATCTCTGCAGGGCTGGGAGTGGGTAGGGACTGAAGGTCTCAATAAACCTTCA
GAACCTGAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites:	Please inquire
ACCN:	NM_002404
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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
RefSeq:	NM_002404.1, NP_002395.1
RefSeq Size:	1830 bp
RefSeq ORF:	768 bp
Locus ID:	4239
UniProt ID:	P55083
Cytogenetics:	17p11.2
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	This gene encodes a protein with similarity to a bovine microfibril-associated protein. The protein has binding specificities for both collagen and carbohydrate. It is thought to be an extracellular matrix protein which is involved in cell adhesion or intercellular interactions. The gene is located within the Smith-Magenis syndrome region. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2010] Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 1.