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Product datasheet for MC209381

Sfrp4 (NM_016687) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sfrp4 (NM_016687) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sfrp4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC209381 representing NM_016687
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTCCGCTCCATCCTGGTGGCGTTATGCCTGTGGCTGCGCCTGGCGCTGGGAGTTCGCGGAGCGCCCT
GCGAAGCTGTGCGCATCCCCATGTGCAGGCACATGCCCTGGAACATCACCCGGATGCCCAACCACCTGCA
CCACAGCACTCAGGAGAACGCCATCCTGGCCATCGAACAGTATGAAGAGCTAGTGGACGTGAACTGCAGC
TCTGTGCTGCGCTTCTTCCTTTGTGCCATGTACGCACCCATCTGTACCCTGGAGTTCCTGCACGATCCCA
TCAAGCCCTGCAAGTCTGTGTGCCAGCGCGCACGTGACGACTGCGAGCCCCTCATGAAGATGTATAACCA
CAGCTGGCCAGAGAGCCTGGCCTGCGATGAGCTGCCGGTCTATGACCGTGGAGTTTGTATCTCTCCAGAG
GCAATAGTCACTGACCTTCCAGAAGATGTGAAGTGGATAGACATCACACCAGATATGATGGTGCAAGAAA
GGTCCTTTGATGCTGACTGTAAACGTCTGAGCCCTGATCGGTGCAAGTGCAAAAAGGTGAAGCCGACCCT
GGCAACATACCTGAGCAAAAACTACAGCTATGTTATTCATGCCAAAATAAAAGCCGTCCAGAGGAGTGGT
TGCAATGAGGTCACAACTGTGGTAGATGTAAAAGAGATCTTCAAGTCTTTGTCACCTATCCCTCGAACAC
AAGTCCCTCTCATCACCAATTCCTCCTGCCAGTGTCCACATATCCTGCCCCATCAAGATGTCCTAATCAT
GTGTTATGAGTGGCGTTCAAGGATGATGCTTCTTGAAAATTGCTTAGTTGAAAAGTGGAGAGATCAACTC
AGTAGAAGGTCCATACAGTGGGAAGAGAGGCTTCAGGAACAGCAGAGAACAATTCAGGACAAGAAGCAGA
TAGCCAGCCGCACCAGTCGCACCAGTCGCAGTAACCCCCCAAAGTCAAAGGGAAGGCCACCTGCTCCCAA
ACCTGCCAGTCCTAAGAAGAACATCAAAGCTAGAAGTGCCCCCAAAAAGTCAAACCTGAAGAAAAGCGCA
AGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_016687

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Insert Size:	1056 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).
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_016687.3, NP_057896.1
RefSeq Size:	1780 bp
RefSeq ORF:	1056 bp
Locus ID:	20379
UniProt ID:	Q9Z1N6
Cytogenetics:	13 6.99 cM
Gene Summary:	Soluble frizzled-related proteins (sFRPS) function as modulators of Wnt signaling through direct interaction with Wnts. They have a role in regulating cell growth and differentiation in specific cell types (PubMed:27355534). SFRP4 plays a role in bone morphogenesis (PubMed:27355534). May also act as a regulator of adult uterine morphology and function. May also increase apoptosis during ovulation possibly through modulation of FZ1/FZ4/WNT4 signaling (By similarity). Has phosphaturic effects by specifically inhibiting sodium-dependent phosphate uptake (By similarity).[UniProtKB/Swiss-Prot Function]

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