

Product datasheet for **SC114205**

SDF4 (NM_016547) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SDF4 (NM_016547) Human Untagged Clone
Tag:	Tag Free
Symbol:	SDF4
Synonyms:	Cab45; SDF-4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016547, the custom clone sequence may differ by one or more nucleotides

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ATGGTCTGGCCCTGGGTGGCGATGGCGTCCAGGTGGGGTCCCCTCATTGGCCTGGCTCCGTGCTGCCTCT
GGCTCCTGGGGGAGTCTTCTGATGGACGCGTCTGCACGGCCTGCCAACCACTCGTCCACTCGAGAGAG
AGTAGCCAACAGGGAGGAGAATGAGATCCTGCCCCAGACCACCTGAACGGGGTGAAGCTGGAGATGGAC
GGGCACCTCAATCGCGGCTTCCACCAGGAGGTCTTCTAGGCAAGGACCTGGGTGGCTTTGATGAGGACG
CGGAGCCGCGGAGCCGGAGGAAGCTGATGGTCATCTTTCCAAGGTGGATGTGAACACTGACCGGAA
GATCAGTGCCAAGGAGATGCAGCGCTGGATCATGGAGAAGACGGCCGAGCACTTCCAGGAGGCCATGGAG
GAGAGCAAGACACTTCCGCGCCGTGGACCCTGACGGGGACGGTCACGTGTCTTGGGACGAGTATAAGG
TGAAGTTTTTGGCGAGTAAAGGCCATAGCGAGAAGGAGTTGCCGACGCCATCAGGCTCAACGAGGAACT
CAAAGTGGATGAGGAAACACAGGAAGTCTGGAGAACCTGAAGGACCGCTGGTACCAGGCGGACAGCCCC
CCTGCAGACCTGCTGCTGACGGAGGAGGAGTTCCTGTCGTTTCTCCACCCGAGCACAGCCGGGGAATGC
TCAGGTTTCATGGTGAAGGAGATCGTCCGGGACCTGGACCAGGACGGTGACAAGCAGCTCTCTGTGCCGA
GTTTCATCTCCCTGCCCGTGGGCACCGTGGAGAACCAGCAGGGCCAGGACATTGACGACAAGTGGGTGAA
GACAGAAAAAAGGAGTTTGGAGAGCTATTGACTCCAACCACGACGGCATCGTACCAGGAGGAGCTGG
AGAAGTGCACACTCCCGCTGCAGCCAATAGGCACCTTAAATAGCCACTTCGTGCGGCTGGCCGCGGA
GCTCGGAGGGGAAAGGCGACGCTGACCTGTGCCCGCTCGCCCGCAGAGCTACATGGACCCCATGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_016547 unedited</p> <pre>TTCAAATTTTGTAAACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGGTGACGCT TCGCTCCGGTCTCGGATCCCGAGCGCGGGGAGGCAGACCGACTGTGAGCTGCTTGCC CATCTGCGGCCGTCTGGGGACACAGAGCCCTCCGTGGTGCCTGGGATGGATTGGAG CCAGGACCTCACTTCTCTCTGCCCCGCCCCGCCCCAGCACCTGGCCACACC CTGCAGCCCGCCCATGGTCTGGCCCTGGGTGGCGATGGCGTCCAGGTGGGGTCCCCTCA TTGGCCTGGCTCCGTGCTGCCTCTGGCTCCTGGGGCAGTCTTCTGATGGACGCGTCTG CACGGCCTGCCAACCCTCGTCCACTCGAGAGAGAGTAGCCAACAGGGAGGAGAATGAGA TCTGCCCCAGACCACCTGAACGGGTGAAGCTGGAGATGGACGGGCACCTCAATCGCG GCTTCCACCAGGAGTCTTCTAGGCAAGGACCTGGGTGGCTTTGATGAGGACGCGGAGC CGCGGGGAGCCGGAGGAAGCTGATGGTCATCTTTTCAAAGTGGATGTGAACACTGACC GGAAGATCAGTGCCAAGGAGATGCAGCGCTGGATCATGGAGAAGACGGCCGAGCACTTCC AGGAGGCCATGGAGGAGACAAGACACTTCCGCGCGTGGACCCTGACGGGGACGGTC ACGTGCTTTGGACGAGTATAGGTGAAGTTTTTGGCGAGTAAAGCCATAGCGAGAAGG AGGTTGCCGACGCCATCAGGGCTCACGAGAACTCANAGTGGATGAGGAAACACAGGAGT CCTGGGAGACCTGNAGGACCGCTGGTACCCAGCGACAGCCCCCTGCAGACCTGCTGCT GACNNGAANGAGTTCTCTGCTTCTCCACCCGAGCCAGCCGGGGATGCTCANGTT CATGGTN</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_016547 unedited</p> <pre>GCCGCGCTTTCTAGCATCGAGCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTATATATAAAAGAAAATGTATGGGATTCTTGTCAACAATAATTTGC ATTTTTTAAACGGAAGCTGGGGACCTGGGGGGCTCCGACACGCCAGGCCGGGAAGGAC CCGGCACCTCCCTGAACCTTCTGGTACTCATTCCAGCGAAGTTAATCTATTTTTTA AAAACCGCTCAGTTTTCAAGGAAATGGAGGAGCTGTTTTTTCCACGGAGCGGGGCCCT GGGAGGGGCCGGCCAAAGGTTCCGGCCGTGATGCCGTTAGCCCTTTGGCAAAGTGAC TGAAGCGAGATTTCTTCTCAAAGGAAATGCCACGATTTGAGGGACCCAGGGAGGAGG CGGCCCGTGGGGTACAGTCCACCCCCGCGCCCCGACCGGTTACAGCCAAAGCCCCGT CGGGTGCGCCTTGCAAAGGGGACCCCGCTTCATAAACTGGGGAATCCGGGGCCGGTCC ACCGTTGGGGCCGGCCGCGAAAACGCGGGTTCGGACAGCCCCGGACCCCGCATTTCC CCCTTAGGACCCTCCCCTTTTTTTTTGGGGGTGATTCGGGCCCCCGCCCCGACCTAAA CTTCAAACGCCACTTCAAGTCCCAATCCCAACTGTTGTCCCGAAAACCTCGCTGGCTTG CCCCCCCCCTCCCTCCAGCCGTGGAACCTGCTTTAACCCCCACACCACCTTACCTTGC CTCTCCGATCCTTCCCTAATGTTGGGCCCTTTAGTTCGCTCTCCGATCGTCTAAATC GCCCTGCTCGTCGATCAGTATCAACCTGCTCCCTACCATCCGTTAACGCACCTATTCC CTGACCCGTTTTTCCCCATCCCCTCCTTCGTACAATCCGCCCGTCACCTTT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_016547
Insert Size:	1920 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:	<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.
RefSeq:	NM_016547.1 , NP_057631.1
RefSeq Size:	2167 bp
RefSeq ORF:	1047 bp
Locus ID:	51150
UniProt ID:	Q9BRK5
Cytogenetics:	1p36.33
Domains:	EFh
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes a stromal cell derived factor that is a member of the CREC protein family. The encoded protein contains six EF-hand motifs and calcium-binding motifs. This protein localizes to the Golgi lumen and may be involved in regulating calcium dependent cellular activities. [provided by RefSeq, Sep 2011]</p> <p>Transcript Variant: This variant (1) represents the longer transcript yet it encodes the shorter protein (isoform 1).</p>