

Product datasheet for **SC319854**

SDF4 (NM_016176) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SDF4 (NM_016176) 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)



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Fully Sequenced ORF: >OriGene sequence for NM_016176.2
 GCACCGCCCCCGCCCAAGAAAGATGGCAGTGGCCTGATCCGGGCCCGTTGGCGGCGTC
 ACTGACGCTTCGCTCCGGTCTCGGATCCCGAGCGCGGGGAGGCAGACCGACTGTGAGCT
 GCTTGTCCCCATCTGCGGCCGTCTGGGGACACAGACCCTCCGTGGTGCCCGGGGATT
 GGATTGGAGCCAGGACCTCACTTCTCTCTGCCCTGCCCTGCCCTCCCAGCACCTG
 GCCACACCCTGCAGCCCGCCCATGGTCTGGCCCTGGGTGGCGATGGCGTCCAGGTGG
 GTCCCTCATTGGCCTGGCTCCGTGCTGCTCTGGCTCCTGGGGCAGTCTTCTGATGG
 ACGCGTCTGCACGGCCTGCCAACCACTCGTCCACTCGAGAGAGAGTAGCCAACAGGGAGG
 AGAATGAGATCTGCCCCAGACCACCTGAACGGGTGAAGCTGGAGATGGACGGGCACC
 TCAATCGCGGCTTCCACCAGGAGTCTTCTAGGCAAGGACCTGGGTGGCTTTGATGAGG
 ACGCGGAGCCGCGGGGAGCCGGAGGAAGCTGATGGTCATCTTTTCCAAGGTGGATGTGA
 ACACTGACCGGAAGATCAGTGCCAAGGAGATGCAGCGCTGGATCATGGAGAAGACGGCCG
 AGCACTTCCAGGAGGCCATGGAGGAGAGCAAGACACACTTCCGCGCGTGGACCTGACG
 GGGACGGTACGTGTCTTGGGACGAGTAAAGGTGAAGTTTTTGGCGAGTAAAGGCCATA
 GCGAGAAGGAGGTTGCCGACGCCATCAGGCTCAACGAGGAACTCAAAGTGGACGAGGAAA
 CACAGGAAGTCTGGAGAACCTGAAGGACCGCTGGTACCAGGCGGACAGCCCCCTGCAG
 ACCTGCTGCTGACGGAGGAGGAGTTCCTGTGCTTCTCCACCCCGAGCACAGCCGGGAA
 TGCTCAGGTTTCATGGTGAAGGAGATCGTCCGGGACCTGGACCAGGACGGTACAAGCAGC
 TCTCTGTGCCGAGTTTCATCTCCCTGCCGTGGGCACCGTGGAGAACCAGCAGGGCCAGG
 ACATTGACGACAACCTGGGTGAAAGACAGAAAAAAGGAGTTTGGAGAGCTCATTGACTCCA
 ACCACGACGGCATCGTGACCGCCGAGGAGCTGGAGAGCTACATGGACCCCATGAACGAGT
 ACAACGCGTGAACGAGGCCAAGCAGATGATCGCCGTGCCGACGAGAACCAGAACCCACC
 CCTGGAGCCCGAGGAGGTGCTCAAGTACAGCGAGTTCTTACGGGACGCAAGCTGGTGG
 ACTACGCGCGCAGCGTGACAGAGGAGTTTTGAGCGCCCGCCGCGCCCGCGCCGCCCC
 CACGCACCACCGGGCGGCTCGCGGGTACTCCGGGCTCCGTGGCTGTCCCGGACCCCA
 CCTCTTCCCTGCCGCCCCACCAGGCGACCGACCGCGGCTGCCCCAGTTGATGAGCGGC
 GTGTCCCTCTGCAGCGCGCACCCCGCGGGGCTTTGGCTGTGACCGGTGCGGGCGCGG
 GGCTGGGCTGTGGCCCCGCGCGCCCTCCTCCCTGGTCCCTCGAAATCGTGGCATCTC
 ACTTCTGAGAACGAAATCTCGTTCAGTCACTCTGCCGAAGGCGTGACGGCATCGCGG
 CGGAACCTCTGGGCCCGCCCTCCAGGGCCCGCTCCGTGGGAAAAAACAGTCTCTC
 CATTTCTTGAACGAAATGAAACGATTATTAATAAATAGATTAACCTCGCTGGAAATGAGTAG
 CCAGGAAGTTCAGGGGAGGGTGCAGGCTTCCCGGGCCTGGCGTGTCCGAGCCACCCA
 GGTCCCGCAGCTGCCGCTGAGAAAATGCAATATTTGTTGTGACAAGAATCACATACATT
 TACTTTAAATATAGTTGCCTTTTTTGGTCAGCTTCAAAAAAAAAAAAAAAAAAAAAA
 AAAAA

Restriction Sites: Please inquire

ACCN: NM_016176

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_016176.2](#), [NP_057260.2](#)

RefSeq Size: 1985 bp

RefSeq ORF: 1089 bp

Locus ID: 51150

UniProt ID: [Q9BRK5](#)

Cytogenetics: 1p36.33

Domains: EFh

Protein Families: Transmembrane

Gene Summary: 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]
Transcript Variant: This variant (2) uses a different splice site in the 3' coding region, compared to variant 1, that results in a frameshift. It encodes isoform 2, which has a shorter and distinct C-terminus compared to isoform 1.