

Product datasheet for MC227277

Sdf4 (NM_001302468) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Sdf4 (NM_001302468) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Sdf4
 Synonyms: Cab4; Cab45
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC227277 representing NM_001302468
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTCTGGCTGGTGGCAATGACGCCAGGCAGAGTTCCTCTGTGGTCTAGCTGCTCATGGCCTCTGGT
 TCTTGGGCCTTGTCTTCTGATGGATGCAACCGCTAGACCTGCCAACCACTCATCTACTCGGAAAGAGC
 GGCTAACAGGGAGGAAAATGAGATCATGCCCCAGACCACCTGAATGGGGTGAAGCTGGAGATGGATGGA
 CACCTCAACAAGGACTTCCATCAGGAGTTTTCTGGGAAAGGACATGGATGGGTTTATGAAGACTCAG
 AGCCACGGAGAAGCCGGAGGAAGCTGATGGTCATCTTTCCAAGGTAGACGTGAACACTGACCGGAGGAT
 CAGCGCTAAGGAGATGCAGCACTGGATTATGGAGAAAACAGCAGAGCACTCCAGGAGGCCGTCAAGGAA
 AACAACTGCACTTCAGGGCTGTGGACCCTGACGGTGACGGCCATGTTTCTGGGATGAATATAAAGTGA
 AGTTTTTGGCAAGCAAAGGCCACAATGAAAGGGAGATTGCTGAAGCCATCAAGAACCATGAGGAGCTCAA
 AGTGGATGAGGAGACACAGGAAGTCCTTGGGAACCTCAGAGCCGATGGTATCAGGCAGACAATCCTCT
 GCAGACCTGCTGCTGACTGAGGACGAGTTCCTTTCATTCCTTACCCTGAGCACAGCCGGGCATGCTCA
 AGTTCATGGTCAAGGAGATCTTTCGGGACTTGGATCAGGATGGTGATAAGCAGTTATCTCTGCCCGAGTT
 CATCTCTCTGCCTGTGGTACTGTTGAGAACCAACAAGGCCAAGACATTGATGACAACCTGGGTGAAGAC
 AGAAAGAAGGAGTTTGGGAACTGATTGACTCTAACCATGATGGGATTGTGACCATGGAGGAGCTAGAGA
 ACTACATGGACCCATGAATGAATAACAATGCCCTCAACGAAGCCAAACAGATGATTGCCATTGCTGATGA
 GAACCAGAACCACCCTGGAGCCCGAGGAGATCCTCAAGTACAGTGAGTTCTTACCAGGCAAGCTC
 ATGGACTATGCCCGCAACGTGCATGAAGAGTTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001302468



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Insert Size:	1086 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).
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:	<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:	<u>NM_001302468.1, NP_001289397.1</u>
RefSeq Size:	4996 bp
RefSeq ORF:	1086 bp
Locus ID:	20318
UniProt ID:	<u>Q61112</u>
Cytogenetics:	4 E2
Gene Summary:	<p>This gene encodes a member of the CREC family. The encoded protein contains multiple calcium-binding EF-hand motifs. This protein localizes to the Golgi lumen and may be involved in regulating calcium dependent cellular activities. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.</p>