

Product datasheet for **MG205523**

Sdf4 (NM_011341) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sdf4 (NM_011341) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Sdf4
Synonyms: Cab4; Cab45
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205523 representing NM_011341
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCTGGCTGGTGGCAATGACGCCAGGCAGAGTTCCTCTGTGGTCTAGCTGCTCATGGCCTCTGGT
TCTTGGGCCTTGTCTTCTGATGGATGCAACCGCTAGACCTGCCAACCACTCATCTACTCGGAAAGAGC
GGCTAACAGGGAGGAAAATGAGATCATGCCCCAGACCACCTGAATGGGGTGAAGCTGGAGATGGATGGA
CACCTCAACAAGGACTTCCATCAGGAGTTTTCTGGGAAAGGACATGGATGGGTTTGATGAAGACTCAG
AGCCACGAGAAGCCGGAGGAAGCTGATGGTCATCTTTCCAAGGTAGACGTGAACACTGACCGGAGGAT
CAGCGCTAAGGAGATGCAGCACTGGATTATGGAGAAAACAGCAGAGCACTTCCAGGAGGCCGTCAAGGAA
AACAACTGCACTTCAGGGCTGTGGACCCTGACGGTGACGGCCATGTTTCTGGGATGAATATAAAGTGA
AGTTTTGGCAAGCAAAGGCCACAATGAAAGGGAGATTGCTGAAGCCATCAAGAACCATGAGGAGCTCAA
AGTGGATGAGGAGACACAGGAAGTCCTTGGGAACCTCAGAGACCGATGGTATCAGGCAGACAATCCTCCT
GCAGACCTGCTGCTGACTGAGGACGAGTTCCTTTCATTCTTACCCTGAGCACAGCCGGGGCATGCTCA
AGTTTATGGTCAAGGAGATCTTTCGGGACTTGGATCAGGATGGTGATAAGCAGTTATCTCTGCCCGATT
CATCTCTCTGCCTGTGGTACTGTTGAGAACCAACAAGCCAAGCATTGATGACAACCTGGTGAAGAC
AGAAAGAAGGAGTTTGGGAAGTATTGACTTAACCATGATGGGATTGTGACCATGGAGGAGCTAGAGA
ACTACATGGACCCCATGAATGAATACAATGCCCTCAACGAAGCCAACAGATGATTGCCATTGCTGATGA
GAACCAGAACCACCACCTGGAGCCCAGGAGATCCTCAAGTACAGTGAGTTCTTACCAGGAGCAAGCTC
ATGGACTATGCCGCAACGTGCATGAAGAGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG205523 representing NM_011341
 Red=Cloning site Green=Tags(s)

MVWL VAMTPRQSSL CGLAAHGLWFLGLVLLMDATARPANHSSTRERAANREENEIMPPDHLNGVKLEMDG
 HLNKDFHQEVFLGKMDMGFDEDESEPRRSRRKLMVIFSKVDVNTDRRISAKEMQHWIMEKTAEHFQEA
 VKE NKLHFRVAVDPDGDGHVSWDEYKVKFLASKGHNREIAEAIKNHEELKVDEETQEVLGNLRDRWYQADNPP
 ADLLLTEDEFLSFLHPEHSRGMKLFMVKEIFRDLDDQDGDKQLSLPEFISLPGVTVENQQQDIDDNWKD
 RKKEFAELIDSNHDGIVTMEELNYMDPMNEYNALNEAKQMIADENQNHHELEPEEILKYSEFFTGSKL
 MDYARNVHEEF

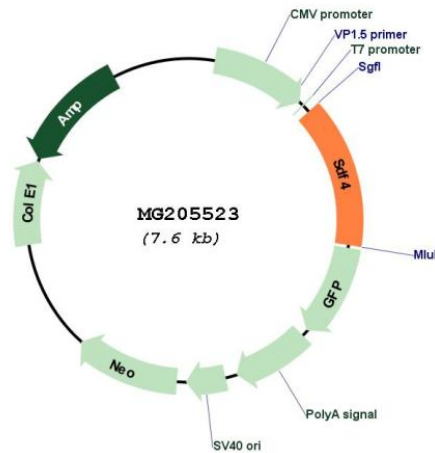
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_011341

ORF Size:	1083 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_011341.5 , NP_035471.1
RefSeq Size:	5174 bp
RefSeq ORF:	1086 bp
Locus ID:	20318
UniProt ID:	Q61112
Cytogenetics:	4 E2
Gene Summary:	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]