

Product datasheet for **RG205510**

SUSD3 (NM_145006) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: SUSD3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205510 representing NM_145006
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGCTGGGCGGCCGCCACCCTCCGTGGCAAGGCGAGGCCCGGGGGCGGGGTCACCACGCCTG
CCCCAGGGAACCGCACAGGCACGTGCGCTAAGCTGCGGCTACCCCCGAAGCAACCTTCCAAGTCTTCCG
TGGCAATGTTGCTTCCGTGGGACCGTGCTCATGTTCCGCTGCCCTCCAACCACGATGGTGGGGTCT
GGGCTCCTCACCTGCACCTGGAAGGGGAGCATCGCTGAGTGGTCTTCAGGGTCCCCAGTGTGCAAACTGG
TGCCACCACACGAGACCTTTGGCTTCAAGGTGGCCGTATCGCCTCCATTGTGAGCTGTGCCATCATCCT
GCTCATGTCCATGGCCTTCCTCACCTGCTGCCTCCTCAAGTGCCTGAAGAAGAGCAAGCGGCGCGCTCC
AACAGGTGAGCCAGCTGTGTCCTCAGCTGAAAGATGAGGACTTGGAGACGGTGCAGGCCGCATACCTTG
GCCTCAAGCACTTCAACAAACCCGTGAGCGGGCCAGCCAGGCGCACGACAACCACAGCTTACCACAGA
CCATGGTGAGAGCACCAGCAAGCTGGCCAGTGTGACCCGACGCTGGACAAGGACCTGGGATCCCCAGA
GCTCTAAGCCTCAGTGGCTCCTCAGCTCACCCCAAGCCAGGTGATGGTGACATGGCAAACCCAGAC
AGCCCTGCCTGCCTCTGGGCTGGCCACAGGAATGCCACAACAGCCCGCAGCATATGCCCTAGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205510 representing NM_145006
Red=Cloning site Green=Tags(s)

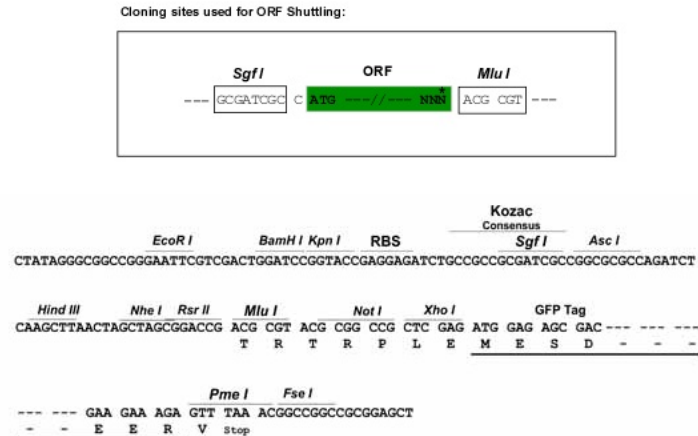
MRWAAATLRGKARPRGRAGVTTAPGNRTGTCAKLRLPPQATFQVLRNGASVGTVLMFRCPSNHQMVGS
GLLTCTWKGSIAEWSSGSPVCKLVPPHETFGFKVAVIASIVSCAIIILMSMAFLTCLLKCVKSKRRRS
NRSACLWSQLKDELETQAAVYGLKHFNKPVSQPSQAHDNHSFTTDHGESTSKLASVTRSVDKDPGIPR
ALSLSGSSSPQAQVMVHMANPRQPLPASGLATGMPQQPAAYALG

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145006

ORF Size: 765 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).

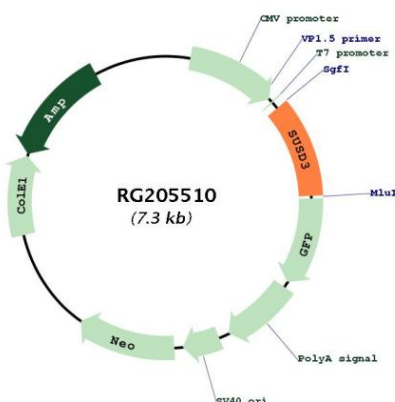
Reconstitution Method:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:	<u>NM_145006.4</u>
RefSeq Size:	1205 bp
RefSeq ORF:	768 bp
Locus ID:	203328
UniProt ID:	<u>Q96L08</u>
Cytogenetics:	9q22.31
Domains:	CCP
Protein Families:	Transmembrane
Gene Summary:	May play a role in breast tumorigenesis by promoting estrogen-dependent cell proliferation, cell-cell interactions and migration.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205510