

Product datasheet for **MG218384**

Suds3 (NM_178622) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Suds3 (NM_178622) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Suds3
Synonyms:	2400003N08Rik; 2410008L21Rik; AU067672; mSds3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218384 representing NM_178622 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGCCGGGGCTGCTGGCTCCGGCGCCGGCTCCGGCTGCAGCGCCGGCCCGGGAGTACTACC
CGGAGGACGAGGAGGAGTTGGAGAGCGCCGAGGACGACGAGCGCAGCTGCCGGGGCCGAGAGTCCGACGA
AGACACCGAGGATGCCAGCGAGACTGACCTGGCGAAGCAGATGAGGAAGACTACGTGGAGATGAAGGAA
CAGATGTATCAGGACAACTGGCATCTTTGAAGAGGCAGCTGCAACAGCTTCAGGAAGGTACGCTCCAGG
AATATCAGAAACGGATGAAGAACTGGACCAGCAGTACCGAGAGCGGATCCGGAATGCAGAGCTCTTCCT
CCAGCTGGAAACGGAACAGGTGGAGAGGAATTACATTAAGAGAAGAAGCGGCCGTGAAGGAGTTTGAA
GACAAGAAGTGGAGCTGAAGGAGAACCTGATTGCCGAGCTGGAGGAGAAGAAGAAGATGATCGAGAACG
AGAAACTACCATGGAGCTGACTGGAGATTCTATGGAAGTGAACCCATCATGACCAGAAAATTGCGGAG
GCGACCAAACGATCCTGTCCCCATTCCAGACAAGAGGAGAAAACCGGCTCCTGCTCAGCTGAACTACTTG
CTAACAGACGAGCAGATCATGGAGGACCTGAGGACGCTGAACAAGCTTAAGTCACCCAAGAGACCAGCTT
CCCCATCCTCTCCTGAACACTTGCTGCCACACCTGCAGAGTCTCCAGCCAGAGGTTTGAGGCTCGGAT
AGAAGATGGCAAACCTGTACTATGATAAGAGATGGTACCACAAGAGCCAGGCCATCTACCTGGAATCTAAG
GACAACCAAGCTGAGCTGTGTATCAGCTCAGTGGGAGCCAACGAGATCTGGGTGAGGAAGACCAGCG
ACAGCACAAGATGCGGATCTACGTGGCCAGCTGCAGCGTGGGCTCTTCGTGATCCGCCGCGGTACG
GGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218384 representing NM_178622
 Red=Cloning site Green=Tags(s)

MSAAGLLAPAPAPAAAPAAPEYYPEDEEELESAEDDERSCRGRESDTEDASETDLAKHDEEDYVEMKE
 QMYQDKLASLKRQLQQLQEGTLQEYQKRMKKLDQQYRERIRNAELFLQLETEQVERNYIKEKKAAVKEFE
 DKKVELKENLIAELEEKKKMIENEKLTMELTGDSMEVKPIMTRKLRRRPNDPVPVPDKRRKPAPAQLNYL
 LTDEQIMEDLRTLNLKLSPKRPAASPSSPEHLPATPAESPAQRFEARIEDGKLYYDKRWYHKSQAIYLESK
 DNQKLSCVISSVGANEIWRKTS DSTKMRIYVQQLQRGLFVIRRRSAA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178622

ORF Size: 984 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.

RefSeq: [NM_178622.5](#), [NP_848737.3](#)

RefSeq Size: 2436 bp

RefSeq ORF: 987 bp

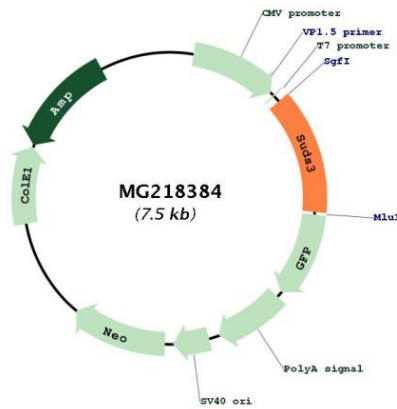
Locus ID: 71954

UniProt ID: [Q8BR65](#)

Cytogenetics: 5 F

Gene Summary: Regulatory protein which represses transcription and augments histone deacetylase activity of HDAC1. May have a potential role in tumor suppressor pathways through regulation of apoptosis. May function in the assembly and/or enzymatic activity of the mSin3A corepressor complex or in mediating interactions between the complex and other regulatory complexes (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG218384