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Product datasheet for RG203405

SAP30L (NM_024632) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SAP30L (NM_024632) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SAP30L
Synonyms:	NS4ATP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG203405 representing NM_024632
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACGGCTTCAGCACGGAGGAGGACAGCCGCGAAGGGCCCCCCGCCGCCCCAGCTGCCGCCGCCCCGG
GCTACGGCCAGAGCTGCTGCCTCATCGAGGACGGCGAGCGCTGCGTCCGGCCCGCGGGCAACGCCTCCTT
CAGCAAGAGGGTCCAGAAGAGCATCTCGCAGAAGAAACTCAAGCTGGACATCGACAAGAGCGTAAGGCAC
CTATATATCTGTGATTTTCACAAAAATTTCATCCAGAGTGTCCGAAATAAAAGGAAGAGGAAGACAAGTG
ACGATGGCGGAGATTCTCCCGAGCACGACACTGACATTCCTGAGGTTGATCTGTTCCAGCTGCAGGTGAA
CACCCTACGACGTTATAAACGACACTACAAGTTGCAGACCAGACCAGGCTTCAATAAGGCCCAGTTAGCA
GAAACTGTGAGTCGACACTTCAGGAACATACCTGTGAATGAAAAAGAGACCCTTGCCTACTTCATCTACA
TGGTGAAGAGTAACAAGAGTAGACTGGACCAGAAATCGGAGGGTGGCAAGCAGCTTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG203405 representing NM_024632
Red=Cloning site Green=Tags(s)

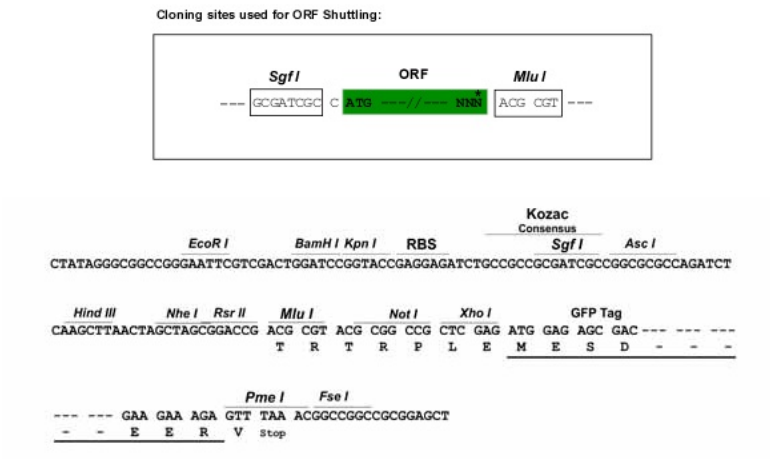
MNGFSTEEDSREGPPAAPAAAAPGYGQSCCLIEDGERCVRPAGNASFSKRVQKSISQKKLKLDIDKSVRH
LYICDFHKNFIQSVRNKRKRKTSDDGGDSPEHDTDIPEVDLFQLQVNTLRRYKRHYKLQTRPGFNKAQLA
ETVSRHFRNIPVNEKETLAYFIYMVKSNKSRLDQKSEGGKQLE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

View online »

Cloning Scheme:

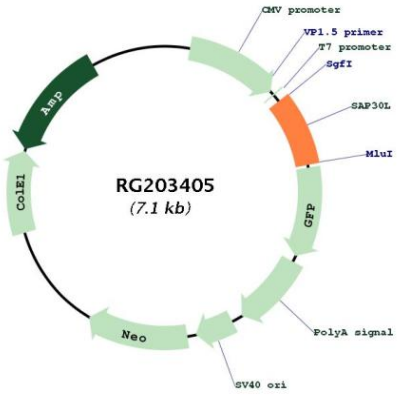


ACCN:	NM_024632
ORF Size:	549 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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_024632.6
RefSeq Size:	1426 bp
RefSeq ORF:	552 bp
Locus ID:	79685
UniProt ID:	Q9HAJ7

Cytogenetics: 5q33.2

Gene Summary: Isoform 1: Functions as transcription repressor, probably via its interaction with histone deacetylase complexes (PubMed:16820529, PubMed:18070604). Involved in the functional recruitment of the class 1 Sin3-histone deacetylase complex (HDAC) to the nucleolus (PubMed:16820529). Binds DNA, apparently without sequence-specificity, and bends bound double-stranded DNA (PubMed:19015240). Binds phosphoinositol phosphates (phosphoinositol 3-phosphate, phosphoinositol 4-phosphate and phosphoinositol 5-phosphate) via the same basic sequence motif that mediates DNA binding and nuclear import (PubMed:19015240, PubMed:26609676).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203405