

Product datasheet for **RG203271**

RAG1AP1 (SLC50A1) (NM_018845) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAG1AP1 (SLC50A1) (NM_018845) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RAG1AP1
Synonyms:	HsSWEET1; RAG1AP1; SCP; slv; SWEET1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203271 representing NM_018845 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCGGGCGGCTTTCTGGACTCGCTCATTTACGGAGCATGCGTGGTCTTCACCCCTGGCATGTTCT
CCGCCGGCCTCTCGACCTCAGGCACATGCGAATGACCCGGAGTGTGGACAACGTCCAGTTCCTGCCCTT
TCTACCACGGAAGTCAACAACCTGGGCTGGCTGAGTTATGGGGCTTTGAAGGGAGACGGGATCCTCATC
GTCGTCAACACAGTGGGTGCTGCGCTTCAGACCCTGTATATCTTGGCATATCTGCATTACTGCCCTCGGA
AGCGTGTGTGCTCCTACAGACTGCAACCCTGCTAGGGTCTTCTCCTGGGTTATGGCTACTTTTGGCT
CCTGGTACCCAACCCTGAGGCCCGGCTTCAGCAGTTGGGCCTTCTCTGCAGTGTCTTCACCATCAGCATG
TACCTCTCACCCTGGCTGACTTGGCTAAGGTGATTCAAATAAATCAACCCAATGTCTCTCCTACCCAC
TCACCATGCTACCCTTCTCACCTCTGCCTCCTGGTGCCTCTATGGGTTTCGACTCAGAGATCCCTATAT
CATGGTGTCCAACTTTCCAGGAATCGTCACCAGCTTTATCCGCTTCTGGCTTTTCTGGAAGTACCCCCAG
GAGCAAGACAGGAACTACTGGCTCCTGCAAACC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203271 representing NM_018845
 Red=Cloning site Green=Tags(s)

MEAGGFDSLIIYGACVVFTLGMFSAGLSDLRHRMTRSDNVQFLPFLTTEVNNLGWLSYGALKGDGILIVVNTVGAALQTLYILAYLHYCPRKRVLVLLQTATLLGVLLLYGYFWLLVPNPEARLQQLGLFCSVFTISM
 YLSPLADLAKVIQTKSTQCLSYPLTIATLLTSASWCLYGFRLRDPYIMVSNFPGIVTSFIRFWLFWKYPQ
 EQDRNYWLLQT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018845

ORF Size: 663 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_018845.4](#)

RefSeq Size: 1316 bp

RefSeq ORF: 666 bp

Locus ID: 55974

UniProt ID: [Q9BRV3](#)

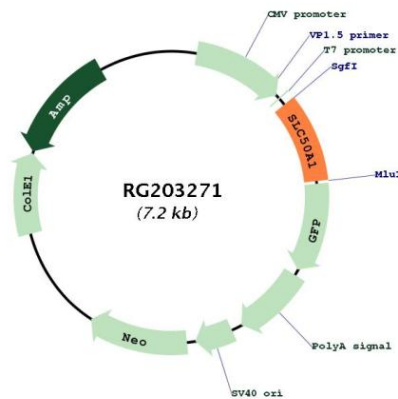
Cytogenetics: 1q22

Domains: MtN3_slv

Protein Families: Transmembrane

Gene Summary: Mediates sugar transport across membranes. May stimulate V(D)J recombination by the activation of RAG1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203271