

## Product datasheet for **SC124151**

### **RAG1AP1 (SLC50A1) (NM\_018845) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RAG1AP1 (SLC50A1) (NM_018845) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAG1AP1
Synonyms:	HsSWEET1; RAG1AP1; SCP; slv; SWEET1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124151 sequence for NM_018845 edited (data generated by NextGen Sequencing)

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ATGGAGGCGGGCGGCTTTCTGGACTCGCTCATTTACGGAGCATGCGTGGTCTTCACCCCTT
GGCATGTTCTCCGCCGGCCTCTCGGACCTCAGGCACATGCGAATGACCCGGAGTGTGGAC
AACGTCCAGTTCCTGCCCTTTCTCACCACGGAAGTCAACAACCTGGGCTGGCTGAGTTAT
GGGGCTTTGAAGGGAGACGGGATCCTCATCGTCGTCAACACAGTGGGTGCTGCGCTTCAG
ACCCTGTATATCTTGGCATATCTGCATTACTGCCCTCGGAAGCGTGTGTGCTCCTACAG
ACTGCAACCCTGCTAGGGGTCTTCTCCTGGGTTATGGCTACTTTTGGCTCCTGGTACCC
AACCTGAGGCCCGGCTTCAGCAGTTGGGCCTCTTCTGCAGTGTCTTACCATCAGCATG
TACCTCTCACCCTGCTGACTTGGCTAAGGTGATTCAAATAAATCAACCCAATGTCTC
TCCTACCCACTCACCATTGCTACCCTTCTCACCTCTGCCTCCTGGTGCCTCTATGGGTTT
CGACTCAGAGATCCCTATATCATGGTGTCCAACCTTCCAGGAATCGTCACCAGCTTATC
CGCTTCTGGCTTTTCTGGAAGTACCCCCAGGAGCAAGACAGGAACACTACTGGCTCCTGCAA
ACCTGA
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Clone variation with respect to NM\_018845.3



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_018845 unedited            NNCCCCTCAAGTCAGATTTTGTATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAG            GCGGCGGGCGCTGGGCGCGGGATCCGACTCTAGTCGTAATGGAGGCGGGCGGCTTTCTGG            ACTCGCTCATTACGGAGCATGCGTGGTCTTACCCTTGGCATGTTCTCCGCCGGCCTCT            CGGACCTCAGGCACATGCGAATGACCCGGAGTGTGGACAACGTCCAGTTCCTGCCCTTC            TCACCACGGAAGTCAACAACCTGGGCTGGCTGAGTTATGGGGCTTTGAAGGGAGACGGGA            TCCTCATCGTCGTAACACAGTGGGTGCTGCGCTTACAGACCTGTATATCTTGGCATATC            TGCACTACTGCCCTCGGAAGCGTGTGTGCTCCTACAGACTGCAACCCTGCTAGGGGTCC            TTCTCCTGGGTTATGGCTACTTTTGGCTCCTGGTACCCAACCCTGAGGCCCGGCTTCAGC            AGTTGGGCTCTTCTGCAGTGTCTTACCATCAGCATGTACCTCTCACCCTGGCTGACT            TGGCTAAGGTGATTCAAATAAATCAACCAATGTCTCTCCTACCCTCACCATTGCTA            CCCTTCTCACCTCTGCCTCCTGGTGCCTCTATGGGTTTCGACTCAGAGATCCCTATATCA            TGGTGTCAAATTTCCAGGAATCGTCACCAGCTTATCCGCTTCTGGCTTTTCTGGGAGT            ACCCCCAGGAGCAAGACAGGAATACTGGCTCCTGCAACCTGAGGCTGCTCATCTGACC            ACTGGGCACCTTAGTGCCAACCTGAACCAAGAGACCTTCTTGTTCAGCTGGGCTGCT            GTCAGCTTCCCAGTGCACTGGGTGTGGGAACAAGAGAAT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_018845 unedited            AACATTACGCCAGGAGAGGCACTGGGGAGGGTACAGGGATGCCACCCGGGATCTGTT            CAGGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTT            TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCAGGGTGGGGAACACTTTATTTAAGGCAT            ATTCATATCACCATATAAGGCATATTCATATCACAATGGCCCGATCTCAGCTCACTGCAA            CCTCCACCTCCTGGGGTCAAGCAATTCTCCTGCCTCAACCTCCCAAGTTTCTGGGATTA            CAGGCATGTGCCATCATGCCTGGTAATTTGTATTTTAAATAAAATGGGGTTTACCA            TGTTAGTCAGGTTGGTCTTTGAACCTCCTGACCTCAGGCGATCCGCCACCTTGGCCTCCC            AAAGTGTGGGATTACAGGCTTGAGCCACCCCCCGGCCTTTAAGGCATATTCTAAAA            ATTGCACCCCAACCTCCAAAATTAATAAAAAAAAAAATCTCTAAAAATAAAAAAGTGATT            TCATCTCTAGGCCCAATCAATCATCTAATAAAAGCTTTTTCTTTGGCCCTTTTATCCC            CAAAGTCATCTTTTGTCCACAACCCCTGCACCTGGAAACCTGGACAAGAGCCAGCTT            AAAAAAGGAGTCTTTTGGTCAAGTTGCCACTAAGCCCCATGTTCAAATAACATCCCC            ATGTTGCGGAACCAATATTTCTTTTTTCCAGGGAAT</p>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_018845
<b>Insert Size:</b>	1300 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>

RefSeq: [NM\\_018845.1](#), [NP\\_061333.1](#)

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]  
Transcript Variant: This variant (1) encodes the longest isoform (a).