

Product datasheet for **SC318785**

RAG1AP1 (SLC50A1) (NM_001122837) Human Untagged Clone

Product data:

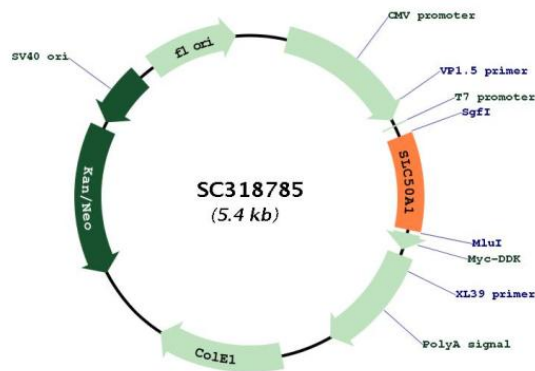
Product Type:	Expression Plasmids
Product Name:	RAG1AP1 (SLC50A1) (NM_001122837) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC50A1
Synonyms:	HsSWEET1; RAG1AP1; SCP; slv; SWEET1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318785 representing NM_001122837. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGTGGTCTTCACCCTTGGCATGTTCTCCGCCGCCCTCTCGGACCTCAGGCACATGCGAATGACCCG
GAGTGTGGACAACGTCCAGTTCCCTGCCCTTCTCACCACGGAAGTCAACGTGTTGTGCTCCTACAGACT
GCAACCCTGCTAGGGTCTTCTCCTGGTTATGGCTACTTTGGCTCCTGGTACCCAACCCTGAGGCC
CGGCTTCAGCAGTTGGGCTCTTCTGCAGTGTCTCACCATCAGCATGTACCTCTCACCCTGGCTGAC
TTGGCTAAGGTGATCAAACTAAATCAACCAATGTCTCTCTACCCACTCACCATTGCTACCCTTCTC
ACCTCTGCCTCCTGGTGCCTCTATGGGTTTCGACTCAGAGATCCCTATATCATGGTGTCCAACCTTCCA
GGAATCGTCACCAGCTTTATCCGCTTCTGGCTTTTCTGGAAGTACCCCGAGGAGCAAGACAGGAACTAC
TGGCTCCTGCAAACCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001122837

Insert Size: 501 bp

OTI Disclaimer: 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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:	<u>NM_001122837.1</u>
RefSeq Size:	1239 bp
RefSeq ORF:	501 bp
Locus ID:	55974
UniProt ID:	<u>Q9BRV3</u>
Cytogenetics:	1q22
Protein Families:	Transmembrane
MW:	19.1 kDa
Gene Summary:	<p>Mediates sugar transport across membranes. May stimulate V(D)J recombination by the activation of RAG1.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate coding exon compared to variant 1, that causes a frameshift. The resulting isoform (b) has a shorter and distinct N-terminus compared to isoform a.</p>