

Product datasheet for **RG236624**

RAG1AP1 (SLC50A1) (NM_001287587) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAG1AP1 (SLC50A1) (NM_001287587) 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:	>RG236624 representing NM_001287587. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGTGGTCTTCACCCTTGGCATGTTCTCCGCCGCCTCTCGGACCTCAGGCACATGCGAATGACCCG
GAGTGTGGACAACGTCCAGTTCCCTGCCCTTCTCACCACGGAAGTCAAGTGAGGGGCCGACGGCTGCGC
AACCTGGGCTGGCTGAGTTATGGGGCTTTGAAGGGAGACGGGATCCTCATCGTCAACACAGTGGGT
GCTGCGCTTCAGACCCTGTATATCTTGGCATATCTGCATTACTGCCCTCGGAAGCGTGTGTGCTCCTA
CAGACTGCAACCCTGCTAGGGGCTCTTCTCCTGGGTTATGGCTACTTTTGGCTCCTGGTACCCAACCT
GAGGCCCGGCTTCAGCAGTTGGGCTCTTCTGCAGTGTCTCACCATCAGCATGTACCTCTCACCCTG
GCTGACTTGGCTAAGGTGATTCAAATAAATCAACCCAATGTCTCTCCTACCCACTCACCATTGCTACC
TTCTCACCTCTGCCTCCTGGTGCCTCTATGGGTTTCGACTCAGAGATCCCTATATCATGGTGTCCAAC
TTTCCAGGAATCGTCACCAGCTTATCCGCTTCTGGCTTTTCTGGAAGTACCCCCAGGAGCAAGACAGG
AACTACTGGCTCCTGCAAACC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG236624
 Blue=ORF Red=Cloning site Green=Tag(s)

MRGLHPWHVLRRLGPQAHANDPECGQRPVPALSHHGSQVRGRLRLNLGWSYGALKGDGILIVVNTVG
 AALQTLYLAYLHYCPKRKRVLLQATLLGVLLGYGYFWLLVPNPEARLQQLGLFCSVFTISMYLSPL
 ADLAKVIQTKSTQCLSYPLTIATLLTSASWCLYGFRLRDPYIMVSNFPGIVTSFIRFWLFWKYPQEQR
 NYWLLQT
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNAVHHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001287587

ORF Size: 642 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).

RefSeq: [NM_001287587.2](#)

RefSeq Size: 1383 bp

RefSeq ORF: 645 bp

Locus ID: 55974
UniProt ID: [Q9BRV3](#)
Cytogenetics: 1q22
Protein Families: Transmembrane
MW: 24.9 kDa
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 RG236624