

Product datasheet for **RG236289**

RAG1AP1 (SLC50A1) (NM_001287586) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RAG1AP1 (SLC50A1) (NM_001287586) 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: >RG236289 representing NM_001287586.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGTGGTCTTCACCCTTGCAACCTGGGCTGGCTGAGTTATGGGGCTTTGAAGGGAGACGGGATCCCTC
ATCGTCGTC AACACAGTGGGTGCTGCGCTTCAGACCCTGTATATCTTGCCATATCTGCATTACTGCCCT
CGGAAGCGTGTGTGCTCCTACAGACTGCAACCCTGCTAGGGGTCCTTCTCTGGGTTATGGCTACTTT
TGGCTCCTGGTACCAACCCTGAGGCCCGGCTTCAGCAGTTGGGCTCTTCTGCAGTGTCTTCACCATC
AGCATGTACCTCTCACCCTGGCTGACTTGGCTAAGGTGATTCAAATAAATCAACCAATGTCTCTCC
TACCCACTCACCATTGCTACCCTTCTCACCTCTGCCTCCTGGTGCCTCTATGGGTTTCGACTCAGAGAT
CCCTATATCATGGTGTCCAACCTTCCAGGAATCGTCACCAGCTTTATCCGCTTCTGGCTTTCTGGAAG
TACCCCAAGGAGCAAGACAGGAATACTGGCTCCTGCAAACC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236289
Blue=ORF Red=Cloning site Green=Tag(s)

```
MRGLHPCNLGWL SYGALKGDGILIVVNTVGAALQTLYLILAYLHYCPKRKRVLLQTATLLGVLLLGYGYF
WLLVFNPEARLQQLGLFCSVFTISMYSPLADLAKVIQTKSTQCLSYPLTIATLLTSASWCLYGFRLRD
PYIMVSNFPGIVTSFIRFWLFWKYPQEQRNYWLLQT
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLVHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-MluI



[View online >](#)

Cloning Scheme:


ACCN: NM_001287586

ORF Size: 525 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_001287586.1](#), [NP_001274515.1](#)

RefSeq Size: 1266 bp

RefSeq ORF: 528 bp

Locus ID: 55974

UniProt ID: [Q9BRV3](#)

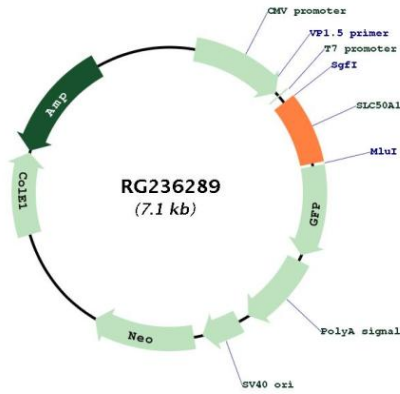
Cytogenetics: 1q22

Protein Families: Transmembrane

MW: 20.4 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 RG236289