

Product datasheet for **RG235618**

RAG1AP1 (SLC50A1) (NM_001287592) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RAG1AP1 (SLC50A1) (NM_001287592) 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: >RG235618 representing NM_001287592.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATCCAAGGGCTCGGACCTCAGGCACATGCGAATGACCCGGAGTGTGGACAACGTCCAGTTCCTGCC
CTTTCTACCACGGAAGTCAAGCTAAGGTGATTCAAATAAATCAACCAATGTCTCTCCTACCCACTC
ACCATTGTACCCTTCTCACCTCTGCCTCTGGTGCCTCTATGGGTTTCGACTCAGAGATCCCTATATC
ATGGTGTCCAACTTCCAGGAATCGTCACCAGCTTTATCCGCTTCTGGCTTTTCTGGAAGTACCCCCAG
GAGCAAGACAGGAACTACTGGCTCCTGCAAACC
ACGCGTACGCGCCGCTCGAG - GFP Tag - GTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235618
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MIQGLGPQAHANDPECGQRPVPALSHHGSQAKVIQTKSTQCLSYPLTIATLLTSASWCLYGFRLRDPYI
MVSNFGIVTSFIRFWLFWKYPQEQRNYWLLQT
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_001287592

ORF Size: 309 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_001287592.2](#)

RefSeq Size: 1152 bp

RefSeq ORF: 312 bp

Locus ID: 55974

UniProt ID: [Q9BRV3](#)

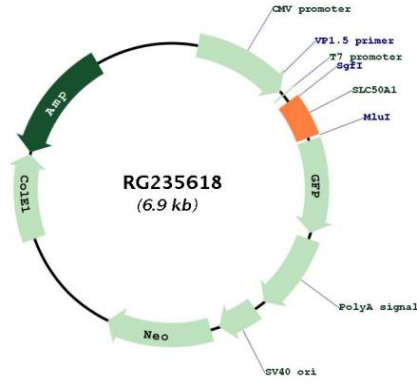
Cytogenetics: 1q22

Protein Families: Transmembrane

MW: 12.3 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 RG235618