

Product datasheet for **RG225160**

RAG1AP1 (SLC50A1) (NM_001122837) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RAG1AP1 (SLC50A1) (NM_001122837) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SLC50A1
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: >RG225160 representing NM_001122837
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGTGGTCTTCACCCTTGGCATGTTCTCCGCCGGCCTCTCGGACCTCAGGCACATGCGAATGACCCGG
 AGTGTGGACAACGTCCAGTTCCTGCCCTTCTCACCACGGAAGTCAACGTGTTGTGCTCTACAGACTGC
 AACCTGTAGGGGTCCTTCTCTGGGTTATGGCTACTTTGGCTCCTGGTACCCAACCTGAGGCCGG
 CTTCAGCAGTTGGGCTCTTCTGCAGTGTCTTACCATCAGCATGTACCTCTCACCCTGGCTGACTTGG
 CTAAGGTGATTCAAACAACTCAACCAATGTCTCTCCTACCACTCACCATTGCTACCCTTCTCACCTC
 TGCTCCTGGTGCTCTATGGGTTTCGACTCAGAGATCCCTATATCATGGTGTCCAACCTTCCAGGAATC
 GTCACCAGCTTTATCCGCTTCTGGCTTTCTGGAAGTACCCCCAGGAGCAAGACAGGAACACTACTGGCTCC
 TGCAAACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG225160 representing NM_001122837
 Red=Cloning site Green=Tags(s)

MRGLHPWHVLRRLGPQAHANDPECGQRPVLPALSHHGSQRVLLQTATLLGVLLLGYYFWLLVPNPEAR
 LQQLGLFCSVFTISMYLSPLADLAKVIQTKSTQCLSYPLTIATLLTSASWCLYGFRLRDPYIMVSNFPGI
 VTSFIRFWLFWKYPQEQDRNYWLLQT

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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, NP_001116309.1</u>
RefSeq Size:	1239 bp
RefSeq ORF:	501 bp
Locus ID:	55974
UniProt ID:	<u>Q9BRV3</u>
Cytogenetics:	1q22
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]