

Product datasheet for **RG227048**

SLC35B3 (NM_001142540) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC35B3 (NM_001142540) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SLC35B3
Synonyms: C6orf196; CGI-19; PAPST2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG227048 representing NM_001142540
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACTTGACACAGCAAGCAAAGACATACAGAACATAACAGTCCAGGAAACCAACAAAAATAACTCTG
 AAAGCATTGAATGCAGCAAAATAACAATGGATCTCAAGTCAACAATCCAGGAAATATATTTCTATCAC
 TGTGCCATCCAAAACCAACAATGTCACCACACATCAAGTCAGTTGACGACGTTGTGGTACTTGGCATG
 AATCTCAGCAAGTTAAACAACTTACTCAGTTTTTCATATGTGTTGCTGGAGTTTTGTATTTTACCTAA
 TTTATGGGTATTTACAGGAATTAATATTTTCAGTGGAGGGTTTTAAGTCCTGTGGCTGGTACCTTACCTT
 AGTGCAGTTTGCCTTTTACTCCATATTTGGCCTAATAGAACTTCAGCTTATTCAGGACAAAAGGAGGAGA
 ATACCAGGAAAAACCTACATGATAATAGCTTTTCTAACTGTGGTACTATGGGGTTATCAAAACCTTCTT
 TGGGCTACCTGAATTACCTACCCAAGTCATCTTCAAGTGTGCAAAATTGATTCTCTGTTATGCTAGGAGG
 AGTTTTTATTCAAGGAAAGCGTTATAATGTTGCAGATGTGTCTGCTGCCATATGTATGAGCCTTGGCCTG
 ATATGGTTTACCCTCGCTGACAGCACAACGCACCAATTTCAACCTGACGGGTGTGGTCTTATTTCC
 TGGCACTATGTGCAGATGCCGTCATTGGAATGTTCAAGAGAAAGCTATGAACTTCATAATGCTTCTAA
 TTCTGAAATGGTATTGTATTTCGATTCAATTGGTTTTGTATACATTTTACTGGGATTGACATGCACTAGT
 GGATTAGCCCTGCAGTAACATTTTGTGCAAGAATCCAGTTCGGACCTATGGTTATGCGTTCCTTTTTT
 CCCTCACTGGATATTTTGAATCTCCTTTGTTCTGGCTTTGATTAATAATTTTGGTGCACCTTATTGCTGT
 AACAGTGACAACAGGAAGAAAAGCAATGACCATTGTAATTTCTGTTTATATTCTTTGCTAAACCATTACAG
 TTTTCAGTATGTATGGTCTGGTTTGTAGTTGCTCTTGGTATATTTCTCAATGTTTACAGCAAAAATATGG
 ATAAAATAAGACTACCATCACTGTATGATTTGATAAACAATCAGTGGAAGCAAGAAAGTCAAGGACGCT
 GGCACAGACTGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG227048 representing NM_001142540
 Red=Cloning site Green=Tags(s)

MDLTQQAKDIQNITVQETNKNNSIECSKITMDLKFNNRKYISITVPSKTQTMSPHIKSVDDVVVLGM
 NLSKFNKLTQFFICVAGVFVYLIYGYLQELIFSVEGFKSCGWYTLVQFAFYSIFGLIELQLIQDKRRR
 IPGKTYMIIAFLTVGTMGLSNTSLGYLNYPTQVIFKCKLIPVMLGGVF IQGKRYNVADVSAICMSLGL
 IWFTLADSTTAPNFNL TGVVLLISLALCADAVIGNVQEKAMKLNASNSEMVLYSYSIGFVYILLGLTCTS
 GLGPAVTFCAKNPVRTYGYAFLFSLTGYFGISFVLALIKIFGALIAVTVTTRKAMTIVLSFIFFAKPFT
 FQYVWSGLLVVLGIFLNYSKNMDKIRLPSLYDLINKSVEARKSRTLAQTV

TRTRPLE - GFP Tag - V

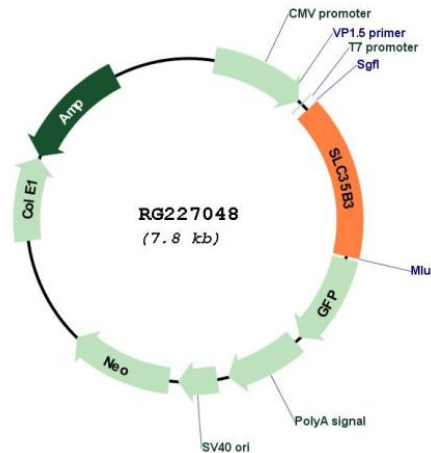
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001142540

ORF Size:	1203 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).
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:	NM_001142540.1 , NP_001136012.1
RefSeq Size:	2086 bp
RefSeq ORF:	1206 bp
Locus ID:	51000
Cytogenetics:	6p24.3
Protein Families:	Transmembrane
Gene Summary:	This gene is a member of the solute carrier family. The encoded protein is involved in the transport of 3-prime phosphoadenosine 5-prime phosphosulfate (PAPS) from the nucleus or the cytosol to the Golgi lumen. This gene has been reported to be expressed preferentially in the human colon tissues. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]