

Product datasheet for MR221742

Slc35b3 (NM_001170431) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc35b3 (NM_001170431) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc35b3
Synonyms:	4921526O06Rik; AI428480; CGI-19; PABST2; PAPST2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221742 representing NM_001170431 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAGGACCCTTGCTCAGAGCACGCAGGAGCAGGGTGGAGAGGCCAGCCAGCAGAGAAGAAAGACAGG
ACGAAGCATCCGAAAAGAGCAGAGACCAAGTTGCAGGCCCTTGACTGTGGCAGAGCAGAAACAATGGACCT
CAAGTTCAACAACCTCCAGGAAGTATGTCTCCATCTCAGTGCCTCCAAAACGCAGGCCATGTCGCCGCAC
ATCAAGTCAGTTGAGGACGTCGTGGTGTGGCGTGAACCTCAGCAAGTTTAGCAAGCTCACACAGTTTC
TCATCTGTGTGGCTGGAGTTTTTGTATTTACCTAATTTATGGATACTTACAGGAGCTGATCTTTTCAGT
GGAAGGCTTTAAGCCTTACGGCTGGTACCTTACCTTAGTGCAGTTGCCTTTTACTCCGATTTTGGCCTA
ATCGAGCTACAGCTCACTCAGGACAGAAGGAGAAGAATACCAGGAAAAACCTACATGCTAATAGCTTTTC
TAACTGTGGGTACTATGGGCTTATCAAACACTTCTTGGGCTACCTGAATTACCCAACCCAAGTCATCTT
CAAGTGTGCAAACCTGATTCCTGTTATGCTAGGAGGAGTTTTTATTCAAGGAAAGCGGTACAACCTTGCA
GATGTGTCTGCCGAGTGTGCATGAGCCTGGGCTGATCTGGTTTACCCTCGCTGACAGCACAATTGCAC
CAAACCTTAATCTGACAGGTGTGATGCTTATCTCCCTGGCGCTGTGTGCAGACGCTGTATTGGGAACGT
TCAGGAGAAGGCCATGAAACTGCACAATGCTTCCAACCTCGGAGATGGTTTTGTATTCTACTCAATCGGG
TTTGTGTACATTTTGTGGGACTGTGCATGCATAGTGGACTGGGCCCTGCAGTGGCATTGTTTCAAGA
ACCCTGTTGGGACTTACGGCTACGCTTCTGTTTTCCCTCACTGGATACTTTGGGATCTCCTTTGTCT
GGCCCTCATAAAAATCTTGGTGCACCTTCTGGCTGTAACAGTGACAACAGGAAGGAAAGCAATGACCCTT
GTCCTGCTTCTGTTCTTTGCTAAGCCGTTCACTTTTCAGTATATATGGTCTGGCTTGTAGTTGTCC
TTGGCATAATTTCTCAATGTTTACAGCAAAAATATGGATAAAAATAAGATTGCCATCGGTGTACAACATGAT
AAAGAAAGCCATGGACATGAAAAAGTCAAGGACGTTGGCACAGACTGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR221742 representing NM_001170431
Red=Cloning site Green=Tags(s)

```
MDRTLQSTQEQQGEAQPAAERQDEASEKSRDQVAGLDCGRAETMDLKFNNRSRKYVVISVPSKTQAMSPH
IKSVEDVVVLGVNLSKFSLKTQFLICVAGVVFYLIYGYLQELIFSVGEFKPYGWYLLVQFAFYSVFGI
IELQLTQDRRRRIPGKTYMLIAFLTVGTMGLSNTSLGYLNYPTQVIFKCKLIPVMLGGVFIQGRKYNLA
DVSAAVCMISLGLIWFTLADSTIAPNPNLTVGMLISLALCADAVIGNVQEKAMKLNHASNSEMLVYSYISG
FVYILLGLSCTSGLGPVAVAFCSKNPVGTGYAFSLTGYFVGFISFVLAALIKIFGALLAVTVTTGRKAMTV
VLSFLFFAKPFTFYIWSGLLVVLGIFLNVYSKNMDKIRLPSVYNMIKKAMDMMKKSRTLAQTV
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9078_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001170431

ORF Size: 1242 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:

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_001170431.1](#), [NP_001163902.1](#)

RefSeq Size: 2086 bp

RefSeq ORF: 1242 bp

Locus ID: 108652

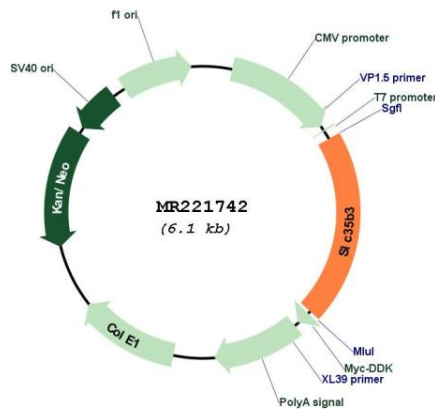
UniProt ID: [Q922Q5](#)

Cytogenetics: 13 A3.3

MW: 45.7 kDa

Gene Summary: Mediates the transport of adenosine 3'-phospho 5'-phosphosulfate (PAPS), from cytosol into Golgi. PAPS is a universal sulfuryl donor for sulfation events that take place in the Golgi. Compensates for the insufficient expression of SLC35B2/PAPST1 during the synthesis of sulfated glycoconjugates in the colon (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221742