

Product datasheet for **MR206881**

Slc35b2 (NM_028662) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc35b2 (NM_028662) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc35b2
Synonyms:	1110003M08Rik; AA407792; AI842275; PAPST1; Slc35b1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206881 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGCCAGATGGTGGGCAGTACTGGTACTCGCCACACTCCCTTCCTGGGAGCAGGTGGAGAGTCCAC
 CCGAAGCCCTCCGCAGTCTGGACACAGCTGTGGCTCTCCGCTTCTGTTGAATGTAGCGGGCTATGC
 CAGCTTTATGGTACCTGGCTACCTCCTGGTGCAGTACTTAAGACGGAAGAACTACCTGGAGACAGGCAGG
 GGTCTCTGCTTCCCCTGGTAAAGCCTGTGTGTTGGCAATGAGCCAAAGGCTCCTGATGAGGTTCTCC
 TGGCTCCGCGGACAGAGACAGCGGAATCCACCCGCTTGGCAGGTCTGAAGCTGGTCTTCTGTGCCTC
 GGGTCTCCAGGTGTCTATCTGACTTGGGGCATACTGCAGGAAAGAGTGATGACTGGCAGCTACGGGGCC
 ACAGCCACATCACCAGGAGAGCATTTCACAGACTCCCAGTTTCTGGTGTGATGAACCGTGTGCTGGCGC
 TGGTTGTGGCAGGCTCTACTGTGCTCGCAAGCAGCCCCGTATGGTGCACCCATGTACCGGACTC
 CTTTGCCAGTCTGTCAAATGTGCTTAGCAGCTGGTCCAGTATGAAGCACTTAAGTTCGTCAGTCCCT
 ACCCAGGTGCTGGCGAAGGCCTCCAAGGTGATCCCTGTATGATGATGGGAAAGCTGGTGTCCCGCGCA
 GCTATGAACACTGGGAATACCTGACTGCCGGCCTCATCTCCATTGGAGTGAGCATGTTTCTTCTATCCAG
 TGGACCAGAGCCTAGAAGCTCTCCAGCCACCACACTCTCTGGCTTGGTCTACTGGCAGGCTATATTGCT
 TTCGACAGCTTCACTCAAATGGCAGGATGCCCTGTTTGCTATAAGATGTCATCGGTGCAGATGATGT
 TTGGGGTCAATTTATTCTCTGTCTTTTACAGTAGGCTCACTACTGGAACAGGGGGCCCTACTGGAGGG
 GGCACGCTTATGGGGCGGCACAGTGTGTTGCGCTCCATGCTCTCCTCCTCCATCTGCTCCGCTTT
 GGGCAGCTCTTCACTTACACCATTGGACAATTTGGAGCTGCTGTCTTCACTATCATGACTCTAC
 GCCAGGCTATTGCCATCCTCCTCCTGCTCCTATGGCCATACTGTCACTGTGGTGGGGGACTGGG
 AGTAGCTGGTCTTCACTGCCCTCCTACTCAGAGTCTATGCCCGGGCCGGAAGCAGCGGGGAAAGAAG
 GCTGTGCCCACTGAGCCCCAGTACAGAAGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206881 protein sequence
 Red=Cloning site Green=Tags(s)

MDARWWAVVVLATLPSLGAGGESPEAPPQSWQLWLFRLNNAVAGYASFMVPGYLLVQYLRRKNYLETGR
 GLCFPLVKACVFGNEPKAPDEVLLAPRTETAESTPSWQVLKLVFCASGLQVSYL TWGILQERVMTGSYGA
 TATSPGEHFTDSQFLVLMNRVLALVVAGLYCVLRKQPRHGAPMYRYSFASLSNVLSSWCQYEALKFVSFP
 TQVLAKASKVIPVMMMGKLVSRRSYEHWEYL TAGLISIGVSMFLLSSGPEPRSSPATTLSGLVLLAGYIA
 FDSFTSNWQDALFAYKMSSVQMMFVNLFSCLFTVGSLLLEQGALLEGARFMGRHSEFALHALLLSICSAF
 GQLFIFYTIGQFGAAVFTIIMTLRQAIALLSCLLYGHTVTVVGGLGVAVVFTALLLRVYARGRKRQK
 AVPTPEPPVQKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_028662

ORF Size: 1296 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 Size: 2138 bp

RefSeq ORF: 1149 bp

Locus ID: 73836

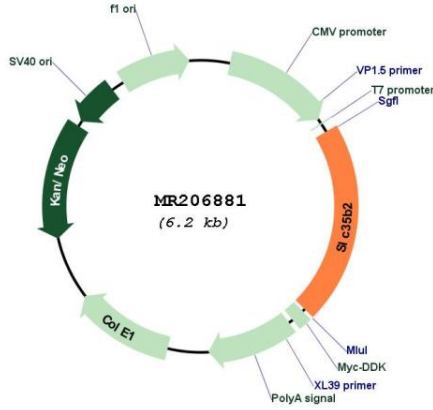
Cytogenetics: 17 B3

MW: 47.4 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206881