

Product datasheet for **MG206881**

Slc35b2 (BC025875) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc35b2 (BC025875) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc35b2
Synonyms:	1110003M08Rik; AA407792; AI842275; PAPST1; Slc35b1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206881 representing BC025875 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGCCAGATGGTGGGCAGTAGTGGTACTCGCCACACTCCCTTCCTGGGAGCAGGTGGAGAGTCAC
CCGAAGCCCTCCGCAGTCTGGACACAGCTGTGGCTCTCCGCTTCTTGTGAATGTAGCGGGCTATGC
CAGCTTTATGGTACCTGGCTACCTCCTGGTGCAGTACTTAAGACGGAAGAACTACCTGGAGACAGGCAGG
GGTCTCTGCTTCCCCTGGTAAAGCCTGTGTGTTGGCAATGAGCCCAAGGCTCCTGATGAGGTTCTCC
TGGCTCCGCGGACAGAGACAGCGGAATCCACCCCGTCTTGGCAGGTCCTGAAGCTGGTCTTCTGTGCCTC
GGGTCTCCAGGTGCCTATCTGACTTGGGCATACTGCAGGAAAGAGTGATGACTGGCAGCTACGGGGCC
ACAGCCACATCACCAGGAGAGCATTTACAGACTCCCAGTTTCTGGTGTCTGATGAACCGTGTCTGGCGC
TGGTTGTGGCAGGCCTCTACTGTCTCTGCGCAAGCAGCCCCGTATGGTGCACCCATGTACCGGTA
CTTTGCCAGTCTGTCAAATGTGCTTAGCAGCTGGTGCCAGTATGAAGCACTTAAGTTCGTCAGTTCCTT
ACCCAGGTGCTGGCGAAGGCCTCAAGGTGATCCCTGTATGATGATGGGAAAGCTGGTGTCCCGGCGCA
GCTATGAACACTGGGAATACCTGACTGCCGGCCTCATCTCCATTGGAGTGAGCATGTTTCTTCTATCCAG
TGGACCAGAGCCTAGAAGCTCTCCAGCCACCACACTCTCTGGCTTGGTCTACTGGCAGGCTATATTGCT
TTCGACAGCTTACCTCAAATTGGCAGGATGCCCTGTTTGCCTATAAGATGTCATCGGTGCAGATGATGT
TTGGGGTCAATTTATTCTCCTGTCTTTTACAGTAGGCTCACTACTGGAACAGGGGGCCCTACTGGAGGG
GGCAGCTTTCATGGGGCGGCACAGTGAGTTTGGCTCCATGCTCTCCTCCTCTCCATCTGCTCCGCTTT
GGGCGACTCTTCTTCTACACCATTGGACAATTTGGAGCTGCTGTCTTCACTATCATGACTCTAC
GCCAGGCTATTGCCATCCTCCTCCTGCTCCTATGGCCATACTGTCACTGTGGTGGGGGACTGGG
AGTAGCTGTGGTCTTCACTGCCCTCTACTCAGAGTCTATGCCCGGGCCGGAAGCAGCGGGGAAAGAAG
GCTGTGCCACTGAGCCCCAGTACAGAAGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206881 representing BC025875
 Red=Cloning site Green=Tags(s)

MDARWWAVVVLATLPSLGAGGESPEAPPQSWTQLWLFRLNNAVAGYASFMVPGYLLVQYLRRKNYLETGR
 GLCFPLVKACVFGNEPKAPDEVLLAPRTETAESTPSWQVLKLVFCASGLQVSYL TWGILQERVMTGSYGA
 TATSPGEHFTDSQFLVLMNRVLALVVAGLYCVLRKQPRHGAPMYRYSFASLSNVLSSWCQYEALKFVSFP
 TQVLAKASKVIPVMMMGKLVSRRSYEHWEYL TAGLISIGVSMFLLSSGPEPRSSPATTLSGLVLLAGYIA
 FDSFTSNWQDALFAYKMSSVQMMFVNLFSCLFTVGSLLLEQGALLEGARFMGRHSEFALHALLLSICSAF
 GQLFIFYTIGQFGAAVFTIIMTLRQAIALLSCLLYGHTVTVVGG LGVAVVFTALLLRVYARGRKQRGKK
 AVPTPEPPVQKV

TRTRPLE - GFP Tag - V

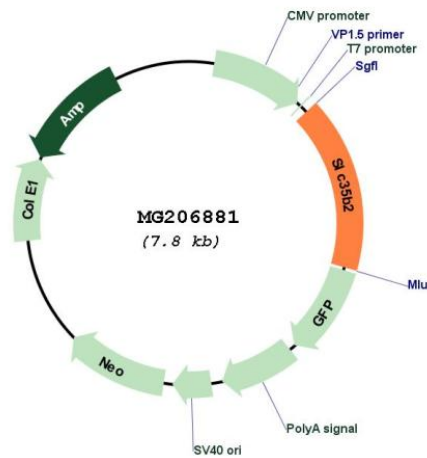
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC025875

ORF Size:	1295 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:	BC025875 , AAH25875
RefSeq Size:	1850 bp
RefSeq ORF:	1295 bp
Locus ID:	73836
Cytogenetics:	17 B3
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]