

Product datasheet for **MG221271**

Slc25a27 (NM_028711) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a27 (NM_028711) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc25a27
Synonyms:	3632410G24Rik; 9430092A03Rik; D530043E16Rik; Ucp4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221271 representing NM_028711 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCCTATCGCCGAGGAGGAGAAGCTGCTGCCGCTCACGCAGAGATGGCCCCGGACGAGCAAGTTCCTAC
 TGTCCGGCTGCGCCGAACCGTGGCCGAGCTAGCAACCTTCCCCTCGATCTCACAAAAACCCGACTCCA
 GATGCAAGGAGAAGCTGCCCTTGCTAGGTTGGGAGATGGCGCAGTGGACTCTGCCCTTATAGGGGCATG
 GTGCGCACGGCCCTGGGAATTGTCAGGAGGAAGGCTTCTAAAGCTGTGGCAAGGAGTGACGCCGCCA
 TTTACAGACACGTAGTGTACTCTGGAGGTCGGATGGTCACCTATGAACATCTACGGGAAGTCGTGTTTGG
 CAAAAGTGAAGATAAGCATTATCCCCTCTGGAAATCGGTCAATGGAGGGATGATGGCTGGTGCATCGGA
 CAGTTTTTAGCCAACCCCACTGACCTTGTGAAGGTCCAGATGCAAATGGAAGGGAACGCAGACTGGAAG
 GGAAACCCCTTGAGATTCCGTGGAGTACATCATGATTTGCAAAATCTTAGCTGAAGGAGGAATCCGCGG
 GCTTTGGCAGGCTGGATACCAATATTCAGAGAGCAGCGCTTGTGAACATGGGAGATCTAACCCTTAC
 GACACAGTGAAACACTACCTGGTATTGAACACACCGCTTGAAGACAATATTTCCACCCACGGCTTATCCA
 GTTTGTGTTCTGGACTTGTGGCTTCTATTCTGGGAACACCAGCCGATGTCATCAAAGCCGAATAATGAA
 CCAACCTCGAGACAAACAAGGAAGGGGACTTTTGTATAAGTCATCAGCTGACTGCTTGATCCAGGCTGTT
 CAAGGGGAAGGCTTCTGAGCCTGTATAAAGGCTTCTACCCTCGTGGCTGAGAATGACCCCTTGGTCAA
 TGGTGTCTGGCTCACTATGAAAAATCCGAGAGATGAGTGGAGTCAGCCCATTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG221271 representing NM_028711
 Red=Cloning site Green=Tags(s)

MPIAEEEEKLLPLTQRWPRTSKFLLSGCAATVAELATFPLDLTKTRLQMQGEAALARLGDGAVDSAPYRGM
 VRTALGIVQEEGFLKLWQGVTPAIYRHVVYSGGRMVTYEHLREVVFVKSEDKHYPLWKSIVGGMMAGVIG
 QFLANPTDLVKVQMMEGKRRLEGKPLRFRGVHHAFAKILAEGGIRGLWAGWIPNIQRAALVNMGLTTY
 DTVKHLYLVNTPLEDNISTHGLSSLCISGLVASILGTPADVIKSRIMNQPRDKQGRGLLYKSSADCLIQAV
 QGEGFLSLYKGFPLPSWLRMTPWSMVFWLTYEKIREMSGVSPF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028711

ORF Size: 966 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_028711.4](#)

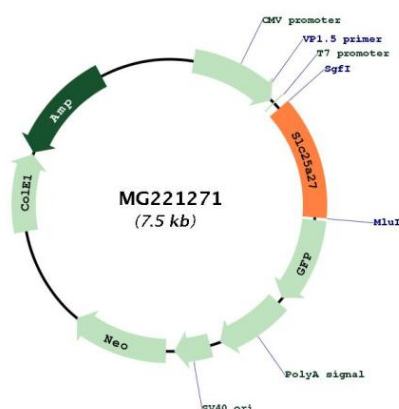
RefSeq Size: 2687 bp

RefSeq ORF: 969 bp

Locus ID: 74011

Cytogenetics: 17 B3

Product images:



Circular map for MG221271