

## Product datasheet for **MG206421**

### Slc25a13 (BC016571) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a13 (BC016571) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc25a13
Synonyms:	A1785475; Ctrn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206421 representing BC016571 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGTTGACATCTTGTTCAGTTAGCAGATTTATATGAGCCGAGGGGCGCATGACCTTAGCAGACA  
TTGAGCGGATCGCCCTCTAGAGGAAGGAATGTTACCCTCAACTGGCCGAGGCCAGAGGCAGAAAGGC  
CTCGGGTGATGCTGCTCGGCCCTTCTTCTGCAGCTCGCAGAGTCAGCCTACAGGTTTGGACTGGTTCT  
ATTGCTGGAGCTGTCGGAGCCACTGCCGTATCCTATCGATCTTGTAAAGACTCGAATGCAGAACCAGA  
GATCAACCGGCTCTTTTGTGGCGAGCTCATGTATAAAAACAGCTTTGACTGCTTAAAGAAGGTGCTCCG  
CTACGAAGGCTTCTTTGGACTGTACCGAGTTTGTGTCACAGTTACTGGGAGTCGCCCCGAGAAGGCC  
ATAAACTTACAGTGAACGATTTTGTGAGAGATAAATTTATGCACAAAGATGGCTCCGCTCCCACTTTTGG  
CAGAGATTTTGTGAGGCTGTGCTGGAGGCTCCCAAGTGATTTTACAAATCCTTTAGAGATTGTGAA  
AATCCGCTTACAAGTGGCCGGAGAGATCACCCTGGCCCCGAGTCAGCGCCCTGTCCGGTGTACGAGAC  
CTGGGGTTCTTTGGCATCTACAAGGGCGCCAAAGCATGCTTCTGAGGGACATTCCTTTCTCAGCCATCT  
ACTTCCCGTGCTATGCCACGTGAAGGCTTCTTTGCAATGAAGACGGGCAGGTGAGCCCCGAAGCCT  
GCTCTTAGCCGGTGCTATTGCTGGTATGCTGCGGCATCTTTAGTGACCCTGCTGATGTTATCAAGACT  
AGATTACAGGTGGCTGCCCGGCTGGCCAAACCCTTACAACGGTGTACCGGATGCTTACAAAGATA  
TTCGAGAAGAGGGCCCCAAAGCATTGTGAAAGGAGTTGCTGCTGCTTCCGCTCCTCGCCCCAGTT  
TGGTGTACCTTGCTTACGTATGAATTGCTGCAGCGGTGTTCTATGTCGATTTTGGAGGCGTGAAGCCC  
GTGGGATCTGAGCCGTTCTAAATCCCGGATTACTCTGCCCGCTCCCAATCCTGACCACGTAGGGGGCT  
ACAAACTGGCCGTTGCCACATTCGCAGGGATTGAGAACAATTTGGACTTTACCTACCTCTTTAAGCC  
ATCAGCATCTACCTCAAAAGTACTGCTGGGGACTCC

**ACGGT**ACGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206421 representing BC016571  
 Red=Cloning site Green=Tags(s)

MEVDILFQLADLYEPRGRMTLADIERIAPLEEGMLPFNLAEAQRQKASGDAARPFLLQLAESAYRFGGLGS  
 IAGAVGATAVYPIDLVKTRMQNRSTGSFVVELMYKNSFDCFKKVLRYEGFFGLYRGLLPQLLGVAPKA  
 IKLTVNDFVRDKFMHKDGSVPLLAEIFAGGCAGGSQVIFTNPLEIVKIRLQVAGEITTGPRVSALSVVRD  
 LGFFGIYKGAACFLRDIPFSAIYFPCYAHVKASFANEDGQVSPGSLLLAGAIAGMPAASLVTPADVIKT  
 RLQVAARAGQTTYNGVTDGFRKILREEGPKALWKGVAARVFRSSPQFGVTLTTYELLQRWFYVDFGGVKP  
 VGSEPVPKSRITLPAPNPDHVGKYKLAVATFAGIENKFGLYLPLFKPSASTSKVTAGDS

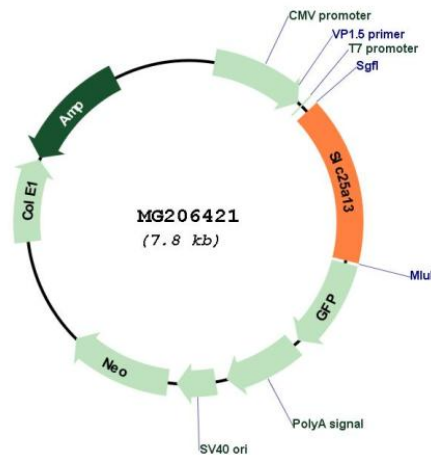
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** BC016571

<b>ORF Size:</b>	1229 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC016571</a> , <a href="#">AAH16571</a>
<b>RefSeq Size:</b>	1755 bp
<b>RefSeq ORF:</b>	1229 bp
<b>Locus ID:</b>	50799
<b>Cytogenetics:</b>	6 A1
<b>Gene Summary:</b>	Mitochondrial and calcium-binding carrier that catalyzes the calcium-dependent exchange of cytoplasmic glutamate with mitochondrial aspartate across the mitochondrial inner membrane. May have a function in the urea cycle.[UniProtKB/Swiss-Prot Function]