

Product datasheet for **MG204420**

Slc25a36 (BC008171) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a36 (BC008171) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc25a36
Synonyms:	C330005L02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204420 representing BC008171 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCCAGAGGGACACGCTGGTGCATCTGTTTGCCGGGGATGTGGTGGCACAGTGGGAGCTATTCTGA
CATGTCCACTGGAAGTTGTCAAACACGGCTGCAGTCTTCTTCTGTGACACTGTATATTTCTGAAGTTCA
GCTGAACACCATGGCTGGAGCCAGTGTGAACCGAGTAGTGTCCCCTGGACCTCTTCATTGTCTGAAGGCT
ATCCTGAAAAAGAGGGCCCTCGCTCGTTGTTTAGAGGATTGGGCCCAATTTGGTGGGGTTGCTCCCT
CCAGAGCAATATACTTTGCTGCTTATTCAAACTGCAAGGAAAAGTTGAATGGTGTTTTTGATCCTGATTC
TACCCAAGTGCACATGGCTTCAGCTGCAATGGCAGGTTTTACTGCAATCACTGCAACAAACCCCATTTGG
CTTATAAAGACTCGCTTACAGCTTGATGCAAGGACTCGTGGGAAAAGCAAATGGGTGCTTTTGAATGTG
TTCGTAAGTCTATCAGACAGACGGACTGCGAGGATTTATAGGGGCATGTCTGCCTCCTATGCCGGCAT
ATCAGAGACTGTTATCCATTTTGTATTTATGAAAGTATAAGCAAAAACACTGGAATGTAAGACTGCT
TCTATGATGAAACTGATGAGGAGTCTGTGAAAGAAGCATCGGATTTTGTGAGAATGATGCTAGCTGCTG
CCACCTCAAAACCTGTGCCACAACCATAGCGTATCCACACGAAGTTGTAAGAACAAGACTACGTGAAGA
AGGGACAAAATATAGTCTTTTTTCAAACATTGTCTTTGATTGTTCAAGAAGAAGGCTATGGATCTCTT
TACCGCGTCTAACTCATCTGGTGGAGCAGATTCCAACACGGCCATTATGATGGCCACCTACGAAC
TGGTGGTCTACCTTCTCAACGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG204420 representing BC008171
 Red=Cloning site Green=Tags(s)

MSQRDTLVHLFAGGCGGTVGAILTCPLEVVKTRLQSSSVTLYISEVQLNTMAGASVNRVSPGPLHCLKA
 ILEKEGPRSLFRGLGNLVGVAPSRAIYFAAYSNCKEKLVNGVDPDSTQVHMASAAMAGFTAITATNPIW
 LIKTRLQLDARTRGEKQMGAFECVRKVYQTDGLRGFYRGMASASYAGISETVIHFVIYESIKQLLECKTA
 SMMETDEESVKEASDFVRMMLAAATSKTCATTIAYPHEVVRTRLREEGTKYRSFFQTLSLIVQEEGYGSL
 YRGLTTHLVRQIPNTAIMMATYELVVYLLNG

TRTRPLE - GFP Tag - V

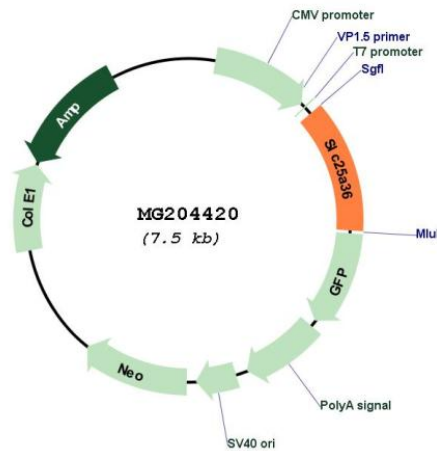
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC008171

ORF Size: 935 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:	BC008171 , AAH08171
RefSeq Size:	2347 bp
RefSeq ORF:	935 bp
Locus ID:	192287
Cytogenetics:	9 E3.3
Gene Summary:	Mitochondrial transporter that imports/exports pyrimidine nucleotides into and from mitochondria. Transports preferentially cytosine and uracil (deoxy)nucleoside mono-, di-, and triphosphates by uniport and antiport mechanism. Also transports guanine but not adenine (deoxy)nucleotides. Is inhibited strongly by pyridoxal 5'-phosphate, 4,7-diphenyl-1,10-phenanthroline, tannic acid, and mercurials (mercury dichloride, Mersaly acid, p-hydroxymercuribenzoate). Participates in mitochondrial genome maintenance, regulation of mitochondrial membrane potential and mitochondrial respiration.[UniProtKB/Swiss-Prot Function]