

Product datasheet for **MG208224**

Slc16a14 (NM_027921) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc16a14 (NM_027921) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc16a14
Synonyms:	1110004H10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208224 representing NM_027921
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTATACGAGTCATGAAGATATCGGGTATGACCTTGAAGACGACCGAAAGGCTAAGAATAAGAAGACGC
 TGAAGCCCCACCCAGATATCGATGGCGGGTGGGCTGGATGATGGTCCTCTCGTCTTCTTTGTTACAT
 CCTCATATGGGCTCACAGATGGCCTAGGAGTCTCAACGTGGAGTGGCTTGAAGAGTTTCACCGAGC
 CGCGGCTGACCGCTGGGTGAGTCCCTGAGCATGGGCATCACCTTGATCGTGGGACCTTTCATCGGT
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 GTTGAGCGCTATGCAGCAATGTGCAGTCTCTCTTTATTACCTTTGGAGTGGCAGCAGGCTTGGCAGT
 GGGATGGCTTACCTACCTGCAGTGGTATGGTGGGAAGGTAATTCAGAGAGACGAGCCCTGGCCAGG
 GCCTCAGTACCACGGGACAGGATTTGGGACGTTCTGATGACCGTGTGCTGAAATACCTGTGCGCAGA
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 CATCACCCAAAAATGACTTTTCTTTTATATATGTGGTTTGTCTTACATGGTAGGGTACTCTTTTGT
 CTCATTCAACCGTGATTCAGATGATAGATCAATCCAGAAGGAAGTGCATAGAGGTGCACATGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208224 representing NM_027921
 Red=Cloning site Green=Tags(s)

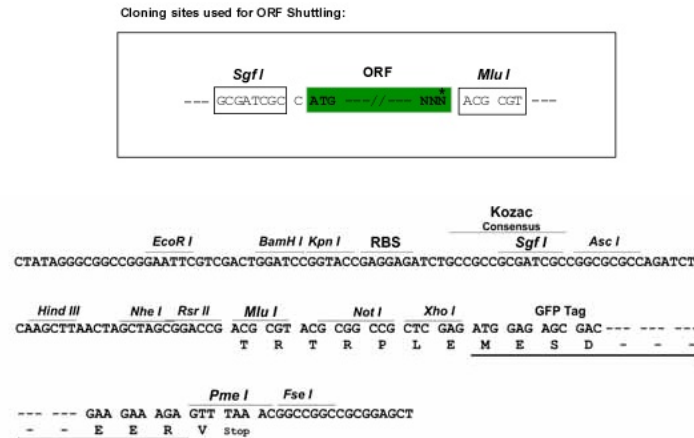
MYTSHEDIGYDLEDDRKAKNKKTLKPHPDIDGGWAWMMVLSSFFVHILIMGSQMALGVLNVEWLEEFHQS
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 GMAYLPAVVMVGRYFQKRRALAQGLSTTGTFGLMTVLLKYLCAEYGWRNAMFIQGALSLNLCVCGAL
 MRPLSPEKLENCPEAEPCALPAYSTESVKSGLPLGMAEEQDRRPGNEEMVCDLQTQECQGQTHPRKNVC
 AFRVLKTVSQLTVQVRRGFRDWHSGYFGTASLFTNRMFAFIFWALFAYSSFVIPFIHLPEIVSLYNLSE
 QNDFPLTSIIAILHIFGKIVILGAVADLPCISVWNVFLIANFTLVLSIFLLPLMHTYASLAVICALIGFS
 SGYFSLMPVVTEDLVGTEHLANAYGIIICANGISALLGPPFAGWIFDITQKYDFSFYICGLLYMVGILFL
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TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



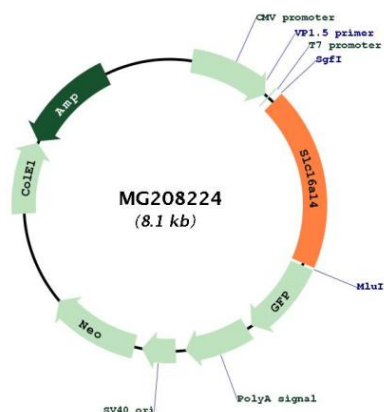
ACCN:	NM_027921
ORF Size:	1536 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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_027921.1 , NP_082197.1
RefSeq Size:	2363 bp
RefSeq ORF:	1539 bp
Locus ID:	71781

UniProt ID: [Q8K1C7](#)

Cytogenetics: 1 C5

Gene Summary: Proton-linked monocarboxylate transporter. May catalyze the transport of monocarboxylates across the plasma membrane.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG208224