

Product datasheet for **MR208224**

Slc16a14 (NM_027921) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc16a14 (NM_027921) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc16a14
Synonyms:	1110004H10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR208224 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGTATACGAGTCATGAAGATATCGGGTATGACCTTGAAGACGACCGAAAGGCTAAGAATAAGAAGACGC
 TGAAGCCCCACCCAGATATCGATGGCGGGTGGGCTGGATGATGGTCCTCTCGTCTTCTTTGTTACAT
 CCTCATATGGGCTCACAGATGGCCTAGGAGTCTCAACGTGGAGTGGCTTGAAGAGTTTCACCGAGC
 CGCGGCTGACCGCTGGGTGAGTCCCTGAGCATGGGCATCACCTTGATCGTGGGACCTTTCATCGGT
 TGTTATTAAACCTGCGGGTGGCGCCAGACAGCAATCATTGGAGGCTGGTGAACCTCCCTCGGCTGGGT
 GTTGAGCGCTATGCAGCAATGTGAGTCTCTTTTATTACCTTGGAGTGGCAGCAGGCTTGGCAGT
 GGGATGGCTTACCTACCTGCAGTGGTATGGTGGGAAGGTAATTCAGAGAGACGAGCCCTGGCCAGG
 GCCTCAGTACCACGGGACAGGATTTGGGACGTTCTGATGACCGTGTGCTGAAATACCTGTGCGCAGA
 ATATGGCTGGCGAATGCTATGTTTCATCAAGGTGCTCTGTCCCTGAACCTGTGTCTGTGGGGCGCTC
 ATGAGGCCCTCTCTCCGAGAAGTTAGAAAATGCCAGAAAGCGAAGAGCCGTGTGCTCTCCAGCTT
 ACTCCACTGAATCTGTTAAGTCTGGAGGACCACTGGGCATGGCTGAAGAACAGGACAGAAGGCCCGGAA
 TGAGGAGATGGTGTGACCTTCAAACACAGGAGTGTCAAGGTCAAACCCATCCGAGGAAGAATGTGTGT
 GCCTTCCGGGTTCTGAAGACAGTGAAGCAGTCACTGTGCAAGTCCGAGGGGCTTTAGGACTGGCACT
 CAGGCTATTTTGGGACGGCTTCACTCTTCAACACCGCATGTTTGTAGCTTTATTTCTGGGCTCTGTT
 CGCATACAGCAGTCTTGTATCCCTTTCATCCACCTGCCGAAATCGTCAGTTTGTATACTTGTGAGAG
 CAAATGACACATTCCTCTGACCTCGATTATAGCAATACTTACATCTTCGGGAAGGTGATCTTGGGGG
 CCGTGGCCGACCTCCCTGTATCAGCGTCTGGAATGTCTTCCTCATCGCTAACTTCAACCTCGTCTCAG
 CATCTTCTCTCTGCCTCTGATGCACACCTACGCGAGTCTGGCTGTCAATTTGTGCCCTAATTGGGTTTTCT
 AGCGGGTATTTCTCCCTCATGCCTGTGGTGAAGAGGACCTGGTTGGCACTGAGCACTTGGCCAATGCCT
 ACGGCATCATCTGCGCCAATGGCATCTCAGCCTTACTAGGACCACCATTGCGAGGATGGATCTTTGA
 CATCACCAAAAAATGACTTTTCTTTTATATATGTGGTTTGTCTTACATGGTAGGGTACTCTTTTGT
 CTCATTCAACCGTGATTCAGATGATAGATCAATCCAGAAGGAAGTGCATAGAGGGTGCACATGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208224 protein sequence
 Red=Cloning site Green=Tags(s)

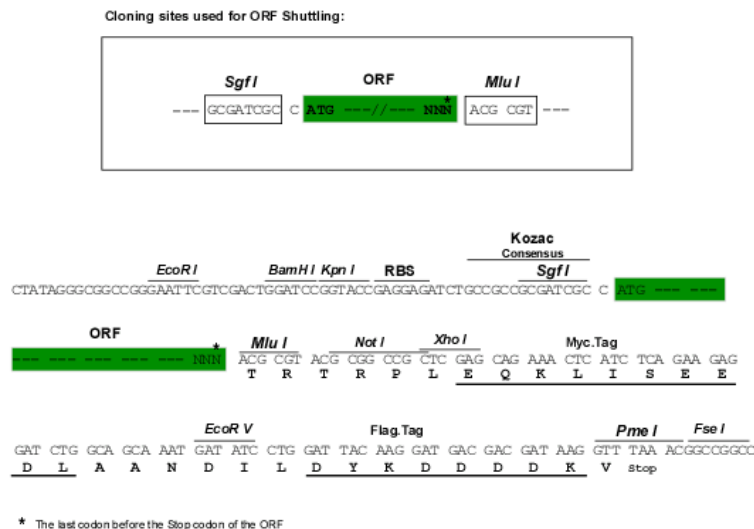
MYTSHEDIGYDLEDDRKAKNKKTLKPHPDIDGGWAWMMVLSSFFVHILIMGSQMALGVLNVEWLEEFHQ
 RGLTAWVSSLSMGITLIVGPFIGLFINTCGCRQTAIIGGLVNSLWVLSAYAANVQSLFITFGVAAGLGS
 GMAYLPVVMVGRYFQKRRALAQGLSTTGTFGLMTVLLKYLCAEYGWRNAMFIQGALSLNLCVCGAL
 MRPLSPEKLENCPEAEPCALPAYSTESVKSGGPLGMAEEQDRRPGNEEMVCDLQTQECQGQTHPRKNVC
 AFRVLKTVSQLTVQVRRGFRDWHSGYFGTASLFTNRMFVAFIFWALFAYSSFVIPFIHLPEIVSLYNLSE
 QNDTFPLTSIIAILHIFGKVLGAVADLPCISVWNVFLIANFTLVLSIFLLPLMHTYASLAVICALIGFS
 SGYFSLMPVVTEDLVGTEHLANAYGIIICANGISALLGPPFAGWIFDITQKYDFSFYICGLLYMVGILFL
 LIQPCIQMIDQSRKCIIEGAHV

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-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

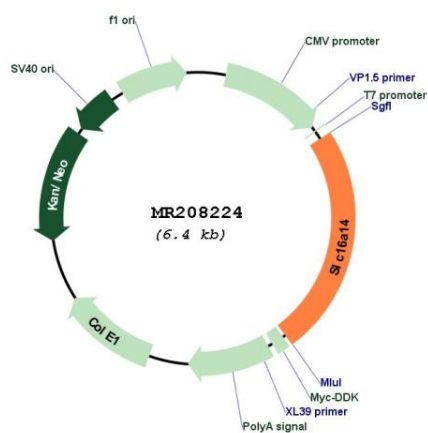
UniProt ID: [Q8K1C7](#)

Cytogenetics: 1 C5

MW: 56.5 kDa

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 MR208224