

Product datasheet for **MG208383**

Slc16a6 (BC017129) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc16a6 (BC017129) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc16a6
Synonyms:	ESTM12, MGC27628, MCT6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208383 representing BC017129
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCCAAAAGAACTCGAAGCTTTGTGCCAGAGCCAATGTGTATACCCAAGTGCCTGATGGAGGATGGG
 GCTGGGCAGTAGCTGTTTCTTTTCTTCGTTGAAGTCTTCACCTATGGCATCATTAAGTCATTTGGTGT
 CTTCTTCAATGACTTAATGGACAGCTTTGATGAATCCAATAGCAAGATCTCATGGATAATATCAATATGT
 GTATTTGTATTAACATTTACAGCTCCCCTCTCCACAGTCTGAGCAACCGCTTCGGACATCGGCTGGTGG
 TGATGGCAGGCGGGTTGCTCATCAGCTTGGGAATGATCACCGCCTCCTTCTCCAAAGGGTCTACCACAT
 GTACATCTCCATAGGGTAATCTCGGGTTAGGGTACTGCTTTAGTTTCTCCAACTGTGACCATTCTG
 TCGCAGTACTTTGACAAAAGCGTTTCGGTAGTCACCGCGGTCGTTCTACGGGAGAGTGCTTCGCGGTGT
 TTGCTTTTCGACCAGCTATCACAGCTCTGAAGGAGCATATTGGCTGGAGATACAGCCTCCTCTTCGTGGG
 CCTTCTGCAGCTGAACATCATGGTCTGCGGCGCCTTGCTAAGACCAATTATTATCCAAGGGCCGGGGCAA
 TACCCGAAAGCAGTCACTCTGGAGCCCCGAGAGAAGTTCAGTACATGCTTGAAAACGAGAAAACACGGA
 CCTCAATAGACTCCATCGACTCAGGAGTAGAACTAACTACCTCACAAAAAATGTGCCTAGCGAAGCGAA
 GATGGAGCAGGAAACAGGGCTGAGCAACAGCAGACCCTGGTGACTGCCCAAGCACAGCCAGATGAAA
 GCCCCGCTGTTGGACTTCTCCGTCTTGAAGAGAAAAGCTTCATTTGTTACGCTTTGTTCCGGCTCTTCG
 CCACCTGGGCTTCTTTGCGCCTCCCTCTACATCATTCTTTGGGTATCAGTCTAGGCATTGACCTGA
 CCGCGCTGCGTTTTTGTGTGACGATGGCCATTGCGGAAGTGTTGCGAAGGATCGGGGCTGGGTTTGTG
 CTCAACAGGGAGCCCATTCGCAAGATCTACATCGAACTCATCTGCGTCATTTTACTGACGGCGTCTCTGT
 TCGCCTTCACTTTTCGCTACCGAGTTCTGGGGCTCATGCTGTGTAGCGTGTTCTTTGGCAGCATGGTTGG
 GACCATAGGAGGGACCCACATCCCGATGTTGGCAGAGGATGACGTCGTTGGGATCGAGAAGATGTCATCT
 GCAGCTGGAGTCTATGTCTTCATTGAGCATCTCGGGGCTTGCAGGACACCCCTGGCAGGTCTGCTGG
 TTGACCAGAGCAAGATATACAGCAGGGCCTTCTACTCTGCGCAGCCGGCATGTGCCTGGCTGCCGTGTG
 CCTCGCCTGGTAAGACCCTGTAAAAAGGGCCTGTGCCAGAATTCTATTGAGGTGAGAACCAGACAGAC
 CGGCAGCGTGGGAAGCGTTACAGGACATACCCGAAGACTTTCTGGAAATGGATCTTGGGAAATGTGAAC
 ACAGGGCTCATATGAAAATGGATCCCGTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208383 representing BC017129
 Red=Cloning site Green=Tags(s)

MTQKNSKLCARANVYTQVPDGGWGWAVAVSFFFVEVFTYGIKSFGVFFNDLMDSFDESNSKISWIISIC
 VFVLTFTAPLSTVLNRFGRHLVVMAGGLLISLGMITASFSQRVYHMYISIGVISGLGYCFSLPTVTIL
 SQYFDKRRSVVTAVASTGECFAVFAFAPAITALKEHIGWRYSLLFVGLLQLNIMVCGALLRPPIIQPGQ
 SPKAVTLEPRREVQYMLENEKTRTSIDSIDSGVELTTSKPNVPSEAKMEQETRAEQQTIVTAPKHSQMK
 APLLDFSVLKEKSFICYALFGLFATLGFFAPSLYIPLGISLGDIDPDRAAFLLSTMAIAEVFGRIGAGFV
 LNREPIRKIYIELICVILLTASLFAFTFATEFWGLMLCSVFFGSMVGTIGGTHIPMLAEDDVVGIEKMSS
 AAGVYVFIQSISGLAGPLAGLLVDQSKIYSRAFYSCAAGMCLAAVCLALVRPCKKGLCQNSHSGENQTD
 RQRGKALQDIPEDFLEMDLGKCEHRAHMKMDPV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: BC017129

ORF Size: 1571 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.

RefSeq: [BC017129](#), [AAH17129](#)

RefSeq Size: 2280 bp

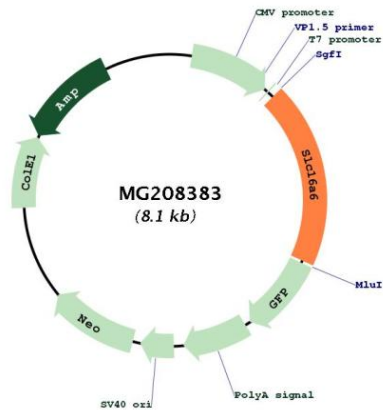
RefSeq ORF: 1571 bp

Locus ID: 104681

Cytogenetics: 11 E1

Gene Summary:

Proton-linked monocarboxylate transporter. Catalyzes the rapid transport across the plasma membrane of many monocarboxylates such as lactate, pyruvate, branched-chain oxo acids derived from leucine, valine and isoleucine, and the ketone bodies acetoacetate, beta-hydroxybutyrate and acetate (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MG208383