

Product datasheet for **MG208202**

Slc2a4 (NM_009204) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc2a4 (NM_009204) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc2a4
Synonyms:	Glut-4; Glut4; GT2; twgy
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208202 representing NM_009204
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGTCGGGTTTCCAGCAGATCGGCTCTGACGATGGGGAACCCCTCGGCAGCGAGTGACTGGAACAC
 TGGTCCTAGCTGTATTCTCAGCTGTGCTTGGCTCCCTCAGTTTGGCTATAACATTGGGGTTATCAATGC
 CCCACAGAAGGTGATTGAACAGAGCTACAATGCAACGTGGCTGGGTAGGCAAGGTCTGGGGACCGGAT
 TCCATCCCACAAGGCACCCTCACTACGCTCTGGGCTCTCTCCGTGGCCATCTTCTCTGTGGTGCCATGA
 TCTCTTCTTTCTCATTGGCATCATTTCTCAATGGTTGGGAAGGAAAAGGGCTATGCTGGCCAACAATGT
 CTTGGCCGTGTTGGGGGGCGCCCTCATGGGCTAGCCAATGCCGTGGCTCCTATGAGATACTCATTCTT
 GGACGGTTCCTCATTGGCGCTACTCAGGGCTAACATCAGGGCTGGTCCCATGTATGTGGGAGAAATCG
 CCCCCACTCATCTCGGGTGCCTTGGGAACACTCAACCAACTGGCCATCGTCATTGGCATTCTGGTTGC
 CCAGGTGCTGGGCTTGGAGTCTATGCTGGGCACAGCTACCCTGTGGCCACTGCTTCTGGCTCACAGTA
 CTCCTGCTCTCCTGCAGCTGATTCTGCTGCCCTTCTGTCTGAGAGCCCCAGATACCTCTACATCATCC
 GGAACCTGGAGGGGCTGCCGAAAGAGTCTAAAGCGCCTGACCGGCTGGGCTGATGTGTCTGACGCACT
 AGCTGAGCTGAAGGATGAGAAACGGAAGTTGGAGAGAGAGCGTCCAATGTCTTGTCCAGCTCCTGGGC
 AGCCGCACCCACCGGCAGCCTCTATCATCGCAGTGGTGTGCTGAGCTGAGCCAACAGCTCTCAGGCATCA
 ATGCTGTTTTCTACTATCAACCAGCATCTTCGAGTCGGCTGGGTGGGACAGCCAGCCTACGCCACCAT
 AGGAGCTGGTGTGGTCAATACGGTCTTCACGTTGGTCTCGGTGCTTATGATAACGAGCTGGACGACGG
 ACACTCCATCTGTTGGGCTGGCCGCATGTGTGGCTGTGCCATTTGATGACCGTGGCTCTGCTGCTGC
 TGAACGGGTTCCAGCCATGAGCTATGCTCCATCGTGGCCATTTGGCTTTGTGGCTCTTTGAGAT
 TGGCCCTGGCCCCATTCCCTGGTTCAATTGTGGCAGAGCTTTCAGCCAGGGCCCCCGCCAGCCCGCATG
 GCTGTGCTGTTTCTCCAACCTGGACCTGTAACCTCATTGTGGCATGGGTTTCCAGTATGTTGGCGATG
 CTATGGGTCTTACGCTCTCCTTCTATTTGCCGCTCCTCCTGCTTGGCTTCTTCATCTTACCTTCTAAA
 AGTGCCTGAAACCAGAGGCCGACGTTTGACCAGATCTCAGCTGCCTCCGACGGACACCTTCCCTTTTA
 GAGCAGGAGGTGAAACCCAGTACAGAATTGAATACTTAGGGCCAGATGAGAATGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208202 representing NM_009204
 Red=Cloning site Green=Tags(s)

MPSGFQQIGSDDGEPQRVTGLVLA VFSAVLGS LQFGYNI GVINAPQKVIEQSYNATWLGRQPGGPD
 SIPOGTLTTLWALSVAIFSVGGMISSFLIGIISQWLGRKRAMLANNVLA VLGALMGLANAVASYEILIL
 GRFLIGAYSGLTSGLVPMYVGEIAPTHLRGALGTLNQLAIVIGILVAQVLGLESMLGTATLWPLLLALT
 LPALLQLILLPFCPESPRYLYIIRNLEGPARKSLKRLTGWADVSDALAELKDEKRLERERPMSLLQLLG
 SRTHRQPLIIAVVLQLSQQLSGINAVFYSTSFESAGVGPAYATIGAGVVNTVFTLVSVLLVERAGR
 TLHLLGLAGMCGCAILMTVALLLLERVPAMSYVSIVAIFGFVAFFEIGGPIPWFIVAELFSQGPRPAAM
 AVAGFSNWT CNFIVGMGFQYVADAMGPYVLLFAVLLLGFFIFTFLKVPETRGRTFDQISAAFRTPSL
 EQEVKPESTELEYLGPDEND

TRTRPLE – GFP Tag – V

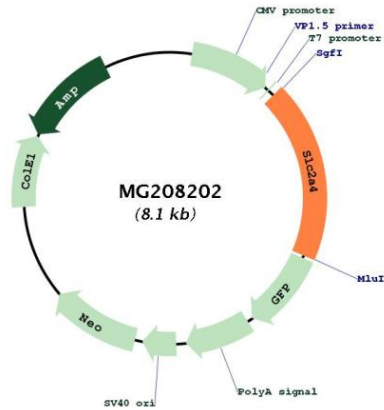
Restriction Sites:

Sgfl-MluI

Gene Summary:

Insulin-regulated facilitative glucose transporter, which plays a key role in removal of glucose from circulation (PubMed:26240143, PubMed:26629404). Response to insulin is regulated by its intracellular localization: in the absence of insulin, it is efficiently retained intracellularly within storage compartments in muscle and fat cells (PubMed:26240143, PubMed:26629404). Upon insulin stimulation, translocates from these compartments to the cell surface where it transports glucose from the extracellular milieu into the cell (PubMed:26240143, PubMed:26629404).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG208202