

Product datasheet for **RG204391**

SLC2A6 (NM_017585) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC2A6 (NM_017585) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC2A6
Synonyms:	GLUT6; GLUT9; HSA011372
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG204391 representing NM_017585
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAGGAGCCGCTGCTGGGAGCCGAGGGCCCGACTACGACACCTTCCCGAGAAGCCGCCCCGTCGC
 CAGGGGACAGGGCGGGTCGGGACCCTCAGAACAAAAGGGTGTTCCTGGCCACCTTCGCCGAGTGCT
 CGGCAATTTACGCTTTGGGTATGCCCTGGTCTACACATCCCTGTCCAGCCCTGGAGCGCTCCTTG
 GATCCTGACCTGCATCTGACAAATCCCAGGCATCCTGGTTTGGGTCCGTGTTACCCTGGGAGCAGCGG
 CCGGAGGCTGAGTGCCATGATCCTCAACGACCTCCTGGGCCGGAAGCTGAGCATCATGTTCTCAGCTGT
 GCCGTCCGCGGCCGGCTATGCGCTCATGGCGGTGCGCACGGCCTCTGGATGCTGCTGCTCGGAAGGACG
 CTGACGGGCTTCGCCGGGGGCTCACAGCTGCATCCGGGTACGTGTCTGAGATTCTCCCCAG
 GCGTTCGTGGGGCTCTGGGGCCACACCCAGCTCATGGCAGTGTTCGGATCCCTGTCCCTACGCCCT
 TGGCCTCTGCTGCCGTGGCGTGGCTGGCTGTGGCCGGGAGGGCCTGTGCTCATCATGATCCTGCTG
 CTAGCTTCATGCCAACTCGCCGCGCTTCTGCTCTCTCGGGGACGGGACGAAGAGGCCCTGCGGGCGC
 TGGCCTGGCTGCGTGGGACGGACGTCGATGTCCACTGGGAGTTCGAGCAGATCCAGGACAACGTCGGAG
 ACAGAGCAGCCGAGTATCGTGGGCTGAGGCACGGGCCCCACCGTGTGCCGGCCATCACCGTGGCCTTG
 CTGATGCGCCTCTGCAGCAGCTGACGGGCATCACGCCATCCTGGTCTACCTGCAGTCCATCTTCGACA
 GCACCGCTGTCTGCTGCCCCCAAGGACGACGACGCCATCGTTGGGGCCGTGCCGCTCCTGTCCGTGCT
 GATCGCCGCCCTACCATGGACCTCGCAGGCCGAAGGTGCTGCTCTTCGTCTCAGCGGCCATCATGTTT
 GCTGCCAACCTGACTCTGGGGCTGTACATCCACTTTGGCCCCAGGCCCTGAGCCCCAACAGCACTGCGG
 GCCTGGAAGCGAGTCTGGGGGACTTGGCCAGCCCCGGCAGCACCCGCTGGCTACCTCACCTGGCTGGT
 GCCCTGCTGGCCACCATGCTCTTCATCATGGGCTACGCCGTGGGCTGGGGTCCCATCACCTGGCTGCTC
 ATGCTGAGGTCCTGCCCTGCGTGCCCGTGGCGTGGCCTCAGGGCTCTGCGTGTGGCCAGCTGGCTCA
 CCGCCTTCGCTCTACCAAGTCCTTCTGCCAGTGGTGGACACCTTCGGCCTCCAGGTGCCTTTCTTCTT
 CTTCCGCGCCATCTGCTTGGTGGCCTGGTGTTCACAGGCTGCTGTGTGCCCGAGACCAAGGACGGTCC
 CTGGAGCAGATCGAGTCTTCTCCGCACGGGGAGAAGGTCTTCTTGCCG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG204391 representing NM_017585
 Red=Cloning site Green=Tags(s)

MQEPLLGAEGPDYDTFPEKPPSPGDRARVGLQNKRVFLATFAAVLGNFSFGYALVYTSVIPALERSL
 DPDLHLTKSQASWFGSVFTLGAAAGGLSAMILNDLLGRKLSIMFSAVPSAAGYALMAGAHGLWMLLLGRT
 LTGFAGGLTAACIPVYVSEIAPPVVRGALGATPQLMAVFGSLSLYALGLLLPWRWLAVAGEAPVLMILL
 LSFMPNSPRFLLSRGRDEEALRALAWLRGTDVDVHWEFEQIQDNVRRQSSRVSWAEARAPHVCRPITVAL
 LMRLQLQLTGITPILVYLQSIQIFDSTAVLLPPKDDAAIVGAVRLLSVLIAALTMDLAGRKVLVFSAAIMF
 AANLTLGLYIHFGRPLSPNSTAGLESESWGDLAQPLAAPAGYLTLPVLLATMLFIMGYAVGWGPITWLL
 MSEVLPRLRARGVASGLCVLASWLTAFVLTKSFLPVVSTFGLQVPVFFFAAICLVSLVFTGCCVPETKGRS
 LEQIESFFRTGRRSFLR

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_017585

ORF Size: 1521 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: [NM_017585.2](#), [NP_060055.1](#)

RefSeq Size: 2487 bp

RefSeq ORF: 1524 bp

Locus ID: 11182

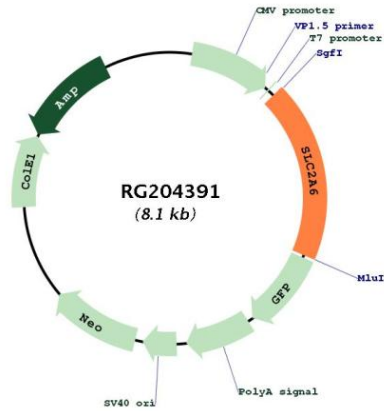
UniProt ID: [Q9UGQ3](#)

Cytogenetics: 9q34.2

Protein Families: Transmembrane

Gene Summary: Hexose transport into mammalian cells is catalyzed by a family of membrane proteins, including SLC2A6, that contain 12 transmembrane domains and a number of critical conserved residues.[supplied by OMIM, Jul 2002]

Product images:



Circular map for RG204391