

Product datasheet for **RG210624**

GLUT9 (SLC2A9) (NM_020041) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GLUT9 (SLC2A9) (NM_020041) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GLUT9
Synonyms:	GLUT9; GLUTX; UAQTL2; URATv1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG210624 representing NM_020041
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAAGGAAACAAATAGGAATTCCAAGGAAGTGGCCTAGTCCCCTCACAGATGACACCAGCCACG
 CCAGGCCCTCAGGGCCAGGGAGGGCACTGCTGGAGTGTGACCACCTGAGGAGTGGGGTGCCAGGTGGAAG
 GAGAAGAAAGGACTGGTCTGCTCGCTCCTCGTGGCCTCCCTCGCGGGCGCCTTCGGCTCCTCTCTCTC
 TACGGCTACAACCTGTCGGTGGTGAATGCCCCACCCGTACATCAAGGCCTTTTACAATGAGTCATGGG
 AAAGAAGGCATGGACGTCCAATAGACCCAGACACTCTGACTCTGCTCTGGTCTGTGACTGTGTCCATATT
 CGCCATCGGTGGACTTGTGGGGACATTAATTGTGAAGATGATTGGAAGGTTCTTGGGAGGAAGCACACT
 TTGCTGGCCAATAATGGGTTTGAATTTCTGCTGCATTGCTGATGGCCTGCTCGCTCCAGGCAGGAGCCT
 TTGAAATGCTCATCGTGGGACGCTTCATCATGGGCATAGATGGAGGCGTCGCCCTCAGTGTGCTCCCAT
 GTACCTCAGTGAGATCTACCCAAGGAGATCCGTGGCTCTCTGGGGCAGGTGACTGCCATCTTTATCTGC
 ATTGGCGTGTTCACTGGGCAGCTTCTGGGCCTGCCCGAGCTGCTGGGAAAGGAGAGTACCTGGCCATACC
 TGTTTGAGTGATTGTGGTCCCTGCCGTTGTCCAGCTGCTGAGCCTTCCCTTTCTCCCGGACAGCCACG
 CTACCTGCTCTTGGAAGACACACGAGGCAAGAGCTGTGAAAGCCTTCCAAACGTTCTTGGGTAAGCA
 GACGTTTCCCAAGAGGTAGAGGAGGTCTGGCTGAGAGCCGCTGCAGAGGAGCATCCGCTGGTGTCCG
 TGCTGGAGCTGCTGAGAGCTCCCTACGTCGCTGGCAGGTGGTACCCTGATTGTACCATGGCCTGCTA
 CCAGCTCTGTGGCCTCAATGCAATTTGGTTCTATACCAACAGCATCTTTGAAAAGCTGGGATCCCTCTG
 GCAAAGATCCCATACGTACCTTGAGTACAGGGGGCATCGAGACTTTGGTGCCGCTTCTCTGGTTTGG
 TCATTGAGCACCTGGGACGGAGACCCCTCCTCATTGGTGGCTTTGGGCTCATGGGCCTCTCTTTGGGAC
 CCTCACCATCACGCTGACCTGCAGGACACGCCCTGGGTCCCTACCTGAGTATCGTGGGCATTCTG
 GCCATCATCGCCTCTTTCTGAGTGGGCAGGTGGCATCCCGTTCATCTTGACTGGTGGTCTTCCAGC
 AATCTCAGCGGCCGCTGCCTTCATCATTGCAGGCACCGTCAACTGGCTCTCAACTTTGCTGTTGGGCT
 CCTCTTCCCATTCATTGAGAAAGTCTGGACACCTACTGTTTCTAGTCTTTGCTACAATTTGTATCACA
 GGTGCTATCTACCTGTATTTGTGCTGCCTGAGACCAAAACAGAACCTATGCAGAAATCAGCCAGGCAT
 TTTCCAAAGGAACAAAGCATACCCACCAGAAGAGAAAATCGACTCAGCTGCTACTGATGGTAAGATAAA
 TGAAGGCCCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

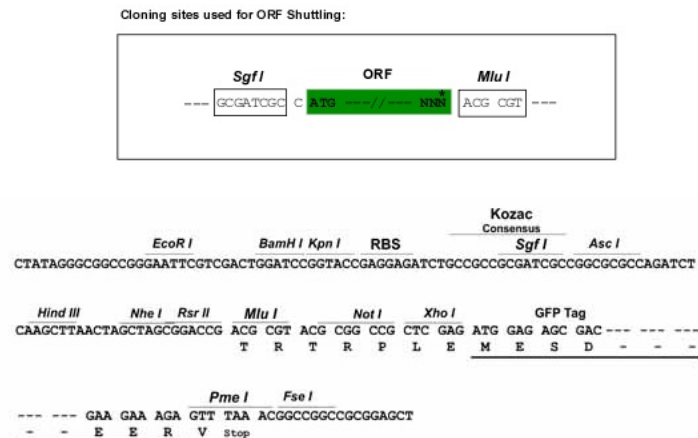
>RG210624 representing NM_020041
 Red=Cloning site Green=Tags(s)

MARKQNRNSKELGLVPLTDDTSHARPPGPGRALLECDHLRSGVPGRRRKDWSCSLLVASLAGAFGSSFL
 YGYNLSVFNAPTPYIKAFYNESWERRHGRPIDPDTLTLWSVTVSIFAIGGLVGLIVKMIGKVLGRKHT
 LLANNGFAISAALLMACSLQAGAFEMLI VGRFIMGIDGGVALSVLPMYLSEISPKEIRGSLGQVTAIFIC
 IGVFTGQLLGLPELLGKESTWPYLFVIVVPAVVQLLSLPFLPDSPRYLLLEKHNEARAVKAFQTLGKA
 DVSQEEVEVLAESEVRSIRLVSVLELLRAPYVRWQVVTIVTMACYQLCGLNAIWFYTNISIFGKAGIPL
 AKIPYVTLSTGGIETLAAVFSGLVIEHLGRRPLLIGGFGLMGLFFGTLTITLTLQDHAPWVYPYLSIVGIL
 AIIASFCSGPGGIPFILTGEFFQQSQRPAAFIAGTVNWL SNFAVGLLPFIQKSLDTYCFLVFATICIT
 GAIYLYFVLPETKNRTYAEISQAFSKRNKAYPPEEKIDSAVTDGKINGRP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_020041

ORF Size: 1620 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_020041.1

RefSeq Size: 1874 bp

RefSeq ORF: 1623 bp

Locus ID: 56606

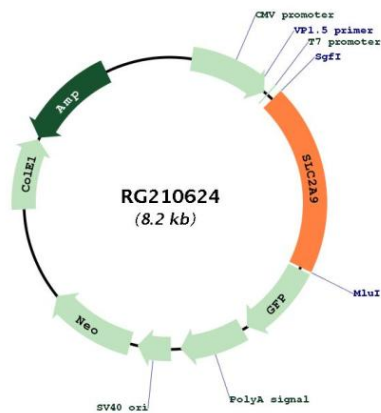
UniProt ID: Q9NRM0

Cytogenetics: 4p16.1

Protein Families: Transmembrane

Gene Summary: This gene encodes a member of the SLC2A facilitative glucose transporter family. Members of this family play a significant role in maintaining glucose homeostasis. The encoded protein may play a role in the development and survival of chondrocytes in cartilage matrices. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG210624