

Product datasheet for **RG238052**

SLC2A14 (NM_001286236) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC2A14 (NM_001286236) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC2A14
Synonyms:	GLUT14; SLC2A3P3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238052 representing NM_001286236. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTCCTGAGACGGCGCAATTCATGCTGATTGTCAACCTGTTGGCTGCCACTGGTGGCTGCCTTATG
GGACTGTGTAATAAGCTGAGTCAGTTGAAATGCTGATCCTGGGCGCTTGGTTATTGGCCTCTTCTGC
GGACTCTGCACAGGTTTTGTGCCATGTACATTGGAGAGATCTCGCTACTGCCCTGAGGGTGCCTTT
GGCACTCTCAACCAGCTGGGCATAGTTATTGGAATTCGGTGGCCAGATCTTTGGTCTGGAACATC
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GCCCTTCCATGTTGCCCTGAAAGTCCCAGATTTTGTCTATTAACAGAAAAAAGAGGAGAATGCTACG
CGGATCCTCCAGCGGTTGTGGGCACCCAGGATGTATCCAAGACATCCAGGAGATGAAAGATGAGAGT
GCAAGGATGTCACAAGAAAAGCAAGTCACCGTGTGGAGCTCTTTAGAGTGTCCAGCTACCGACAGCCC
ATCATCATTTCCATTGTGCTCCAGCTCTCTCAGCAGCTCTCTGGGATCAATGCTGTGTTCTATTACTCA
ACAGGAATCTTCAAGGATGCAGGTGTTCAACAGCCCATCTATGCCACCATCAGCGCGGGTGTGGTTAAT
ACTATCTTCACTTTACTTTCTCTATTTCTGGTGGAAAGGGCAGGAAGAAGGACTTGCATATGATAGGC
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CCCTGGTTTTATTGTGCCGAACCTTTAGCCAGGGCCCCCAGCTGCGATGGCAGTGGCCGGCTGC
TCCAACCTGGACCTCCAACCTTCTAGTCGATTGCTCTTCCCTCTGCTGCTTACTATTTAGGAGCCTAC
GTTTTTATTATCTTACCAGGCTTCTCATTACCTTCTTGGCCTTTACCTTCTTCAAAGTCCCTGAGACC
CGTGGCAGGACTTTTGGGATATCACACGGCCTTTGAAGGGCAGGCACACGGTGCAGATAGATCTGGG
AAGGACGGCGTCATGGGGATGAACAGCATCGAGCCTGCTAAGGAGACCACCACCAATGTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238052
 Blue=ORF Red=Cloning site Green=Tag(s)

MLLRRRNSMLIVNLLAATGGCLMGLCKIAESVEMILGRVLVIGLFCGLCTGFVPMYIGEISPTALRGAF
 GTLNQLGIVIGILVAQIFGLELILGSEELWPVLLGFTILPAILQSAALPCCPESPRFLLINRKKEENAT
 RILQRLWGTQDVSQDIQEMKDESARMSQEKQVTVLELFRVSSYRQPIIISIVLQLSQQLSGINAVFYYS
 TGIFKDGAVQQPIYATISAGVVNTIFTL LSLFLVERAGRRTLHMI GLGGMAF CSTLMTVSLLLKNHYNG
 MSFVCIGAILVFVACFEIGPGPIPWFI VAE LFSQGPRPAAMAVAGCSNWT SNFLVGLLFP SAAYYL GAY
 VFIIFTGFLITFLAFTFFKVPETRGRTFEDI TRAFEGQA HGADRSGKDGVMGMNSIEPAKETTTNV
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001286236

ORF Size: 1233 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).

RefSeq: [NM_001286236.2](#)

RefSeq Size: 3453 bp

RefSeq ORF: 1236 bp
 Locus ID: 144195
 UniProt ID: Q8TDB8

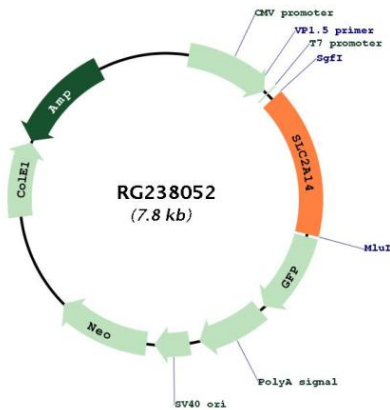
Cytogenetics: 12p13.31

Protein Families: Transmembrane

MW: 45.3 kDa

Gene Summary: Members of the glucose transporter (GLUT) family, including SLC2A14, are highly conserved integral membrane proteins that transport hexoses such as glucose and fructose into all mammalian cells. GLUTs show tissue and cell-type specific expression (Wu and Freeze, 2002 [PubMed 12504846]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG238052