

Product datasheet for **RC238052**

SLC2A14 (NM_001286236) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC2A14 (NM_001286236) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SLC2A14
Synonyms: GLUT14; SLC2A3P3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC238052 representing NM_001286236
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTCCTGAGACGGCGCAATTCAATGCTGATTGTCAACCTGTTGGCTGCCACTGGTGGCTGCCTTATGG
 GACTGTGTAAGTCTGAGTCAGTTGAAATGCTGATCCTGGCCGCTTGGTTATTGGCCTCTTCTGCGG
 ACTCTGCACAGGTTTTGTGCCATGTACATTGGAGAGATCTCGCCTACTGCCCTGAGGGGTGCCTTTGGC
 ACTCTCAACCAGCTGGGCATAGTTATTGGAATTCTGGTGGCCAGATCTTTGGTCTGGAACATCATCCTTG
 GGTCTGAAGAGCTATGGCCGGTGTCTATTAGGCTTTACCATCCTTCCAGCTATCCTGCAAAGTGCAGCCCT
 TCCATGTTGCCCTGAAAGTCCCAGATTTTTGCTCATTAAACAGAAAAAAGAGGAGAATGCTACGCGGATC
 CTCCAGCGGTTGTGGGACCCAGGATGTATCCCAAGACATCCAGGAGATGAAAGATGAGAGTGCAAGGA
 TGTACAAGAAAAGCAAGTACCCTGCTGGAGCTCTTTAGAGTGTCCAGCTACCGACAGCCCATCATCAT
 TTCCATTGTGCTCCAGCTCTCTCAGCAGCTCTCTGGGATCAATGCTGTGTCTATTACTCAACAGGAATC
 TTCAAGGATGCAGGTGTCAACAGCCCATCTATGCCACCATCAGCGCGGTTGGTTAATACTATCTTCA
 CTTTACTTTCTCTATTTCTGGTGGAAAGGCAGGAAGAAGGACTCTGCATATGATAGGCCCTGGAGGGAT
 GGCTTTTTGTTCCAGCTCATGACTGTTTCTTTGTTATTAAGAATCACTATAATGGGATGAGCTTTGTC
 TGTATTGGGGCTATCTTGGTCTTTGTTGGCTGTTTTGAAATTGGACCAGGCCCCATTCCCTGGTTTTATTG
 TGGCCGAACCTCTCAGCCAGGGCCCGCCAGCTGCGATGGCAGTGGCCGGCTGCTCCAACCTGGACCTC
 CAACTTCTAGTCGGATTGCTCTTCCCCTCTGCTGTTACTATTTAGGAGCCTACGTTTTTATTATCTTC
 ACCGGCTTCTCATTACCTTCTTGGCTTTACCTTCTTCAAAGTCCCTGAGACCCGTGGCAGGACTTTTG
 AGGATATCACACGGCCCTTGAAGGGCAGGCACACGGTGCAGATAGATCTGGGAAGGACGGCGTCATGGG
 GATGAACAGCATCGAGCCTGCTAAGGAGACCACCAATGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC238052 representing NM_001286236
 Red=Cloning site Green=Tags(s)

MLLRRRNSMLIVNLLAATGGCLMGLCKIAESVEMILGRVLVIGLFCGLCTGFVPMYIGEISPTALRGAFG
 TLNQLGIVIGILVAQIFGLELILGSEELWPVLLGFTILPAILQSAALPCCPESPRFLLINRKKEENATRI
 LQRLWGTQDVSQDIQEMKDESARMSQEKQVTVLELFRVSSYRQPIIISIVLQLSQQLSGINAVFYSTGI
 FKDAGVQQPIYATISAGVVNTIFTLLSLFLVERAGRRTLHMIIGLGMAF CSTLMTVSLLLKNHYNGMSFV
 CIGAILVFVACFEIGPPIPWFIVAELFSQGRPAAMAVAGCSNWTNSNFLVGLLFP SAAYYL GAYVFIIF
 TGFLITFLAFTFFKVPETRGRTFEDITRAFEGQAHGADRSKGDGVMGNSIEPAKETTTNV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

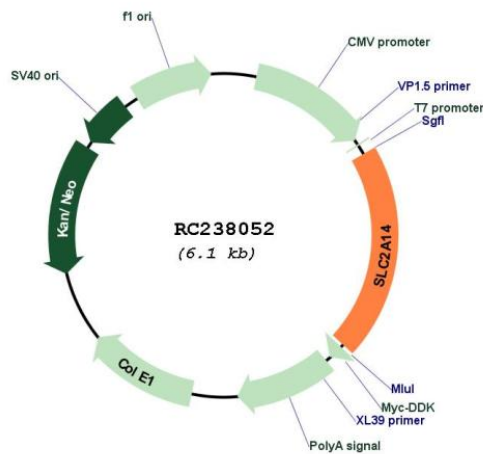
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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).
Reconstitution Method:	<ol style="list-style-type: none">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_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]