

Product datasheet for **RC238700**

SLC2A14 (NM_001286233) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC2A14 (NM_001286233) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC2A14
Synonyms:	GLUT14; SLC2A3P3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC238700 representing NM_001286233
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGTTTCACAATGGTGGCCATGTGTCTGGAATTGGTGGGTTCTTGGTCTCACTGACTCAAGAATGA
 AGCCGCACACCCTCGCAGTCACCCAGCTCTGATCTTTGCCATCACAGTTGCTACAATCGGCTCTTTCCA
 GTTTGGCTACAACACTGGGGTCAATGCTCCTGAGACGATCAAAAGGAATTTATCAATAAACTTTG
 ACGGACAAGGCAAATGCCCTCCCTCTGAGGTGCTGCTCACGAATCTCTGGTCTTGTCTGTGGCCATAT
 TTTCCGTCGGGGTATGATCGGCTCCTTTCCGTCGGACTCTTTGTTAACCGCTTTGGCAGGCGCAATTC
 AATGCTGATTGTCAACCTGTTGGCTGCCACTGGTGGCTGCCTTATGGGACTGTGAAAATAGCTGAGTCA
 GTTGAAATGCTGATCCTGGGCCGCTTGGTTATTGGCCTCTTCTGCGGACTCTGCACAGGTTTTGTGCCCA
 TGTACATTGGAGAGATCTCGCTACTGCCCTGAGGGTGCCTTTGGCACTCTCAACCAGCTGGGCATAGT
 TATTGGAATTCTGGTGGCCAGATCTTTGGTCTGGAATCATCCTTGGGCTGAAGAGCTATGGCCGGTG
 CTATTAGCTTTACCATCCTCCAGCTATCCTGCAAAGTGCAGCCCTCCATGTTGCCCTGAAAGTCCCA
 GATTTTGTCTATAACAGAAAAAAGAGGAGAATGCTACGCGGATCCTCCAGCGTTGTGGGGCACCCA
 GGATGTATCCCAAGACATCCAGGAGATGAAAGATGAGAGTGCAAGGATGTACAAGAAAAGCAAGTCAAC
 GTGCTGGAGCTCTTAGAGTGTCCAGCTACCGACAGCCCATCATCATTCCATTGTCTCCAGCTCTCTC
 AGCAGCTCTCTGGGATCAATGCTGTGTTCTATTACTCAACAGGAATCTTCAAGGATGCAGGTGTTCAACA
 GCCCATCTATGCCACCATCAGCGCGGTGTGGTTAATACTATCTTCACTTTACTTTCTCTATTTCTGGTG
 GAAAGGGCAGGAAGAAGGACTCTGCATATGATAGGCCTTGGAGGGATGGCTTTTTGTTCCACGCTCATGA
 CTGTTTTCTTTGTTATTAAGAATCACTATAATGGGATGAGCTTTGTCTGTATTGGGGCTATCTTGGTCTT
 TGTGGCCTGTTTTGAAATTGGACCAGGCCCATCCCTGGTTTTATTGTGGCCGAACCTCTTCAGCCAGGGC
 CCCCAGCTGCGATGGCAGTGGCCGGCTGCTCCAAGTGGACCTCCAAGTCCAGTCCGATTGCTCT
 TCCCTCTGCTGCTTACTATTTAGGAGCTACGTTTTTATTATCTTACCAGGCTTCTCATTACCTTCTT
 GGCCTTACCTTCTTCAAAGTCCCTGAGACCCGTGGCAGGACTTTTGGAGATATCACACGGGCTTTGAA
 GGGCAGGCACACGGTGCAGATAGATCTGGGAAGGACGGCGTCATGGGGATGAACAGCATCGAGCTGCTA
 AGGAGACCACCAATGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238700 representing NM_001286233
 Red=Cloning site Green=Tags(s)

MEFHNGGHVSGIGFLVSLTSRMPHTLAVTPALIFAITVATIGSFQFGYNTGVINAPETIIEKFIKNTL
 TDKANAPPSEVLLTNLWLSVAIFSVGGMIGSFSVGLFVNRFGRNSMLIVNLLAATGGCLMGLCKIAES
 VEMLILGRLVIGLFCGLCTGFVPMYIGEISPTALRGAFGLNQLGIVIGILVAQIFGLELILGSEELWPV
 LLGFTILPAILQSAALPCCPESPRFLLINRKEENATRILQRLWGTQDVSDIQEMKDESARMSQEKQVT
 VLELFRVSSYRQPIIISIVLQLSQQLSGINAVFYSTGIFKDAGVQPIYATISAGVNTIFTLLSLFLV
 ERAGRRTLHMIGLGGMAFCSTLMTVSLLLKNHYNGMSFVCIGAILVFVACFEIGPGPIPWFIVAELFSQG
 PRPAAMAVAGCSNWTSNFLVGLLFPSAAYYL GAYVFIIFTGLITFLAFTFFKVPETRGRTFEDITRAFE
 GQAHGADRSGKDGVMGMNSIEPAKETTTNV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8012_f12.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001286233

ORF Size: 1560 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_001286233.2](#)

RefSeq Size: 4368 bp

RefSeq ORF: 1563 bp

Locus ID: 144195

UniProt ID: [Q8TDB8](#)

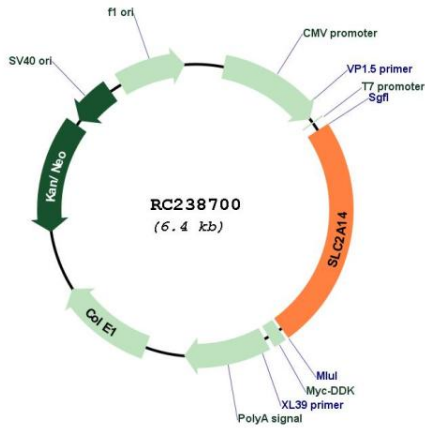
Cytogenetics: 12p13.31

Protein Families: Transmembrane

MW: 56.3 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 RC238700