

Product datasheet for **SC336464**

SLC2A14 (NM_001286234) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC2A14 (NM_001286234) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC2A14
Synonyms:	GLUT14; SLC2A3P3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336464 representing NM_001286234.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGACAACAGACAGAATGTCACCCCAGCTCTGATCTTTGCCATCACAGTTGCTACAATCGGCTCTTTC
CAGTTTGGCTACAACACTGGGGTCAATGCTCCTGAGACGATATAAGGAATTTATCAATAAACT
TTGACGGACAAGGCAAATGCCCTCCCTCTGAGGTGCTGCTCACGAATCTCTGGTCTTGTCTGTGGCC
ATATTTCCGTCGGGGTATGATCGGCTCTTTCCGTCGGACTCTTTGTTAACCGCTTTGGCAGGCGC
AATTCAATGCTGATTGTCAACCTGTTGGCTGCCACTGGTGGTGCCTTATGGGACTGTGAAAATAGCT
GAGTCAGTTGAAATGCTGATCCTGGGCCGCTTGGTTATTGGCCTCTTCTGCGGACTCTGCACAGTTTT
GTGCCATGTACATTGGAGAGATCTCGCCTACTGCCCTGAGGGTGCCTTTGGCACTCTCAACCAGCTG
GGCATAGTTATTGGAATCTGGTGGCCAGATCTTTGGTCTGGAACCTATCCTTGGGTCTGAAGAGCTA
TGGCCGGTCTATTAGGCTTTACCATCCTCCAGCTATCTGCAAAGTGCAGCCCTCCATGTTGCCCT
GAAAGTCCAGATTTTTGCTCATTAAACAGAAAAAAGAGGAGAATGCTACGCGGATCCTCCAGCGTTG
TGGGGCACCCAGGATGTATCCCAAGACATCCAGGAGATGAAAGATGAGAGTGCAAGGATGTCACAAGAA
AAGCAAGTCACCGTGCTGGAGCTCTTAGAGTGTCCAGCTACCGACAGCCATCATCATTCCATTGTG
CTCCAGCTCTCTCAGCAGCTCTCTGGGATCAATGCTGTGTTCTATTACTCAACAGGAATCTCAAGGAT
GCAGGTGTTCAACAGCCCATCTATGCCACCATCAGCGCGGGTGTGGTTAACTACTTCACTTTACTT
TCTCTATTTCTGGTGGAAAGGGCAGGAAGAAGGACTCTGCATATGATAGGCCTTGAGGGATGGCTTTT
GGGGCTATCTGGTCTTTGTGGCCTGTTTTGAAATTGGACCAGGCCCATCCCTGGTTTATTGTGGCC
GAACCTTCAGCCAGGGCCCCCGCCAGCTGCGATGGCAGTGGCCGGCTGCTCCAACCTGGACCTCCAAC
TTCTAGTCGGATTGCTCTTCCCCTCTGCTGCTTACTATTTAGGAGCCTACGTTTTTATTATCTTACC
GGTCTCTCATTACCTTCTTGGCCTTTACCTTCTCAAAGTCCCTGAGACCCGTGGCAGGACTTTTGAG
GATATCACACGGGCCCTTGAAGGGCAGGCACACGGTGCAGATAGATCTGGGAAGGACGGCTCATGGGG
ATGAACAGCATCGAGCCTGCTAAGGAGACCACCACCAATGTCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001286234

Insert Size: 1494 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001286234.1](#)

RefSeq Size: 3614 bp

RefSeq ORF: 1494 bp

Locus ID: 144195

UniProt ID: [Q8TDB8](#)

Cytogenetics: 12p13.31

Protein Families: Transmembrane

MW: 54 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]
Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate upstream start codon, compared to variant 1. The encoded isoform (b) has a distinct N-terminus and is shorter than isoform a. Variants 3 and 4 encode the same isoform (b).