

Product datasheet for **RC236741**

SLC35C2 (NM_001281459) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC35C2 (NM_001281459) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SLC35C2
Synonyms: BA394O2.1; C20orf5; CGI-15; OVCOV1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236741 representing NM_001281459
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAAATCCTCAGCTGTCTCTTCATCTTGATCTTCTCTCTGATCTTCAAGCTGGAGGAGCTGTCCA
CACAGTTCAACGTGGAGGGCTTCGCCTTGGTGTGGGGCCCTCGTTCATCGGTGGCATTTCGCTGGACCT
CACCCAGATGCTCCTGCAGAAGGCTGAACTCGGCCTCCAGAATCCATCGACACCATGTTCCACCTGCAG
CCTACTCATGTTCCCTGGGGCTCTTCCCTCTCTTTGCTGTATTTGAAGGTCTCCATTTGTCCACATCTGAGA
AAATCTTCCGTTTCCAGGACACAGGGCTGCTCCTGCGGGTACTTGGGAGCCTCTTCTTGGCGGGATTCT
CGCCTTTGGTTTGGGCTTCTCTGAGTTCCTCCTGGTCTCCAGAACCTCCAGCCTCACTCTCTCCATTGCC
GGCATTTTTAAGGAAGTCTGCACCTTGTGCTTGGCAGCTCATCTGCTGGGCGATCAGATCAGCCTCCTGA
ACTGGCTGGGCTTCGCCCTCTGCCTCTCGGGAATATCCCTCCACGTTGCCCTCAAAGCCCTGCATTCCAG
AGGTGATGGTGGCCCAAGGCCTGAAGGGCTGGGCTCCAGCCCGACCTGGAGCTGCTGCTCCGGAGC
AGCCAGCGGGAGGAAGGTGACAATGAGGAGGAGGAGTACTTTGTGGCCAGGGGCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC236741 representing NM_001281459
 Red=Cloning site Green=Tags(s)

MTKSSAVLFILIFSLIFKLEELSTQFNVEGFALVVGASFIGGIRWTLTQMLLQKAEGLQNPIDTMFHLQ
 PLMFLGLFPLFAVFEGLHLSTSEKIFRFQDTGLLLRVLGSLFLGGILAFGLGFSEFLVSRSSSLTSLIA
 GIFKEVCTLLAAHLLGDQISLLNWLGFALCLSGISLHVALKALHSRGDGGPKALKGLGSSPDLELLLR
 SQREEGDNEEEYFVAQGQQ

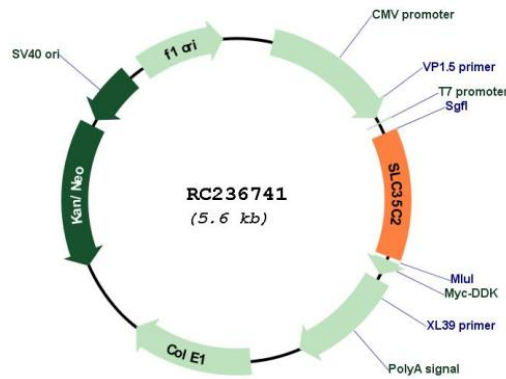
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001281459

ORF Size: 690 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_001281459.2
RefSeq Size:	2191 bp
RefSeq ORF:	693 bp
Locus ID:	51006
UniProt ID:	Q9NQQ7
Cytogenetics:	20q13.12
Protein Families:	Druggable Genome, Transmembrane
MW:	25.6 kDa
Gene Summary:	This gene encodes a member of the triose-phosphate transporter protein family. This gene is regulated by oxygen tension, is induced in hypoxic trophoblast cells, and is overexpressed in ovarian cancer. Alternative splicing results in multiple transcript variants. A pseudogene of this gene has been defined on the X chromosome. [provided by RefSeq, Jul 2013]