

Product datasheet for RC237944

SLC35C2 (NM_001281458) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35C2 (NM_001281458) 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:	>RC237944 representing NM_001281458 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGAAGGGTCAGCACCAGCCACCAGCCCTTAGAGGGGTGCCTGCCCCGCTGACTCAGGAGCTCCGG
TGCTGCAGCCGCCACGAATGGGAGGTGGCCCTCGATGTGCCCTTTTGTGGAAGGCGGTGTTGACCT
GGGGCTGGTGCTTCTACTACTGCTTCTCCATCGGCATCACCTTCTACAACAAGTGGCTGACAAAGAGC
TTCCATTTCCCCCTTTCATGACGATGCTGCACCTGGCCGTGATCTTCTTCTCCGCCCTGTCCAGGG
CGCTGGTTCAGTGCTCCAGCCACAGGGCCCGTGTGGTGCTGAGCTGGGCCGACTACCTCAGAAGAGTGGC
TCCCACAGCTCTGGCGACGGCGCTTGACGTGGGCTTGCCAACCTGGAGCTTCTGTATGTCACCGTCTCG
CTGTACACAATGACAAAATCCTCAGCTGTCCTTTCATCTTGATCTTCTCTGATCTTCAAGCTGGAGG
AGCTGCGCGCGGCACTGGTCTGGTGGTCTCCTCATCGCCGGGGTCTTTCATGTTACCTACAAGTC
CACACAGTTCAACGTGGAGGGCTTCGCCCTGGTGTGGGGCCCTCGTTCATCGGTGGCATTTCGCTGGACC
CTCACCCAGATGCTCCTGCAGAAGGCTGAACTCGGCCCCAGAATCCCATCGACACCATGTTCCACCTGC
AGCCACTCATGTTCTGGGGCTTCCCTCTTTGCTGTATTTGAAGGTCTCCATTTGCCACATCTGA
GAAAATCTTCGTTTCCAGGACACAGGGCTGCTCCTGCGGGTACTTGGGAGCCTTCTCCTGGCGGGATT
CTCGCCTTTGGTTTGGGCTTCTCTGAGTTCCTCCTGGTCTCCAGAACCTCCAGCCTCACTCTCTCCATTG
CCGGCATTTTTAAGGAAGTCTGCACTTTGCTGTTGGCAGCTCATCTGCTGGGCGATCAGATCAGCCTCCT
GAACTGGCTGGGCTTCGCCCTCTGCCTCTCGGGAATATCCCTCCAGTTGCCCTCAAAGCCCTGCATTCC
AGAGGTGATGGTGGCCCCAAGGCCTTGAAGGGGCTGGGCTCCAGCCCCGACCTGGAGCTGCTGCTCCGGA
GCAGCCAGCGGGAGGAAGGTGACAAATGAGGAGGAGGACTTTGTGGCCAGGGGCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237944 representing NM_001281458
Red=Cloning site Green=Tags(s)

MGRVSTSHQPLRGVPAPADSGAPVLQPPRMGRWALDVAFLWKAVLTLGLVLLYYCFSIGITFYNKWLT
 KSFHFPLFMTMLHLAVIFLFSALSRLVQCSSHRARVVLVSWADYLRVAPTALATALDVGLSNWSFLY
 TVSLYTMTKSSAVLFIILIFSLIFKLEELRAALVLLIAGGLFMFTYKSTQFNVEGFALVVGASFI
 GGIRWTLTQMLLQKAELGLQNPIDTMFHLQPLMFLGLFPLFAVFEGLHLSTSEKIFRFQDTGLLL
 RVLGSLFLGGILAFGLGFSEFLLVSRSSLTLSIAGIFKEVCTLLAAHLLGDQISLLNWLGFALC
 LSGISLHVALKALHSRGDGGPKALKGLGSSPDLELLLRSQREEGDNEEEYFVAQGQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

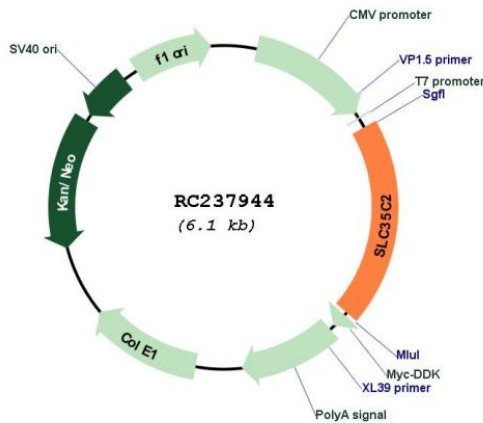
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001281458

ORF Size:	1182 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_001281458.1 , NP_001268387.1
RefSeq Size:	2193 bp
RefSeq ORF:	1185 bp
Locus ID:	51006
UniProt ID:	Q9NQQ7
Cytogenetics:	20q13.12
Protein Families:	Druggable Genome, Transmembrane
MW:	43.8 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]