

Product datasheet for **RG206843**

SLC35C2 (NM_015945) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC35C2 (NM_015945) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SLC35C2
Synonyms: BA394O2.1; C20orf5; CGI-15; OVCOV1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG206843 representing NM_015945
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGGGAGGTGGGCCCTCGATGTGGCCTTTTTGTGGAAGGCGGTGTTGACCCTGGGGCTGGTGCTTCTCT
 ACTACTGCTTCTCCATCGGCATCACCTTCTACAACAAGTGGCTGACAAAGAGCTTCCATTTCCCCTCTT
 CATGACGATGCTGCACCTGGCCGTGATCTTCTCTTCTCCGCCCTGCCAGGGCGCTGGTTCAGTGCTCC
 AGCCACAGGGCCCGTGTGGTGTGAGCTGGGCCACTACCTCAGAAGAGTGGCTCCACAGCTCTGGCGA
 CGGCGCTTGACGTGGGCTTGCCAAGTGGAGCTTCTGTATGTCACCGTCTCGCTGTACACAATGACCAA
 ATCCTCAGCTGTCTTTCATCTTGATCTTCTCTGATCTTCAAGCTGGAGGAGCTGCGCGGGCAGCTG
 GCCTGCTGCTCCTCATCGCCGGGGTCTCTTCATGTTACCTACAAGTCCACACAGTTCAACGTGG
 AGGGCTTCGCCTTGGTGTGGGGCCCTCGTTCATCGGTGGCATTGCTGGACCCTCACCCAGATGCTCCT
 GCAGAAGGCTGAACTCGGCCTCCAGAAATCCCATCGACACCATGTTCCACCTGCAGCCACTCATGTTCTG
 GGGCTCTCCCTCTTTGCTGTATTTGAAGGTCTCCATTTGTCCACATCTGAGAAAACTTCCGTTTCC
 AGGACACAGGGCTGCTCCTGCGGGTACTTGGGAGCCTCTCCTTGGCGGGATTCTCGCCTTTGGTTTGGG
 CTTCTCTGAGTTCTCCTGGTCTCCAGAACCTCCAGCCTCACTCTCTCCATTGCCGGCATTTTTAAGGAA
 CTCTGCACCTTTGCTGTTGGCAGCTCATCTGCTGGGCGATCAGATCAGCCTCCTGAACTGGCTGGCTCG
 CCCTCTGCCTCTCGGGAATATCCCTCCAGTTGCCCTCAAAGCCCTGCATTCCAGAGGTGATGGTGGCCC
 CAAGGCCCTTGAAGGGGCTGGGCTCCAGCCCGACCTGGAGCTGCTGCTCCGGAGCAGCCAGCGGGAGGAA
 GGTGACAATGAGGAGGAGGAGTACTTTGTGGCCAGGGGCGAGCAG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206843 representing NM_015945
 Red=Cloning site Green=Tags(s)

MGRWALDVAFLWKAVLTLGLVLLYYCFSIGITFYNKWLTksfHFPLFMTMLHLAVIFLFSALSRLVQCS
 SHRARVLSWADYLRRVAPTALATALDVGLSNWSFLYVTVSLYTMKSSAVLFILIFSLIFKLEELRAAL
 VLVVLLIAGGLFMFTYKSTQFNVEGFALVLGASFIGGIRWTLTQMLLQKAEGLQNPIDTMFHLQPLMFL
 GLFPLFAVFEGHLSTSEKIFRFQDTGLLLRVLGSLFLGGILAFGLGFSEFLLVSRTSSLTSLIAGIFKE
 VCTLLLAHLLGDQISLLNWLGFALCLSGISLHVALKALHSRGGGPKALKKGLGSSPDLELLLRSSQREE
 GDNEEEYFVAQQQQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015945

ORF Size: 1095 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_015945.9](#)

RefSeq Size: 2266 bp

RefSeq ORF: 1098 bp

Locus ID: 51006

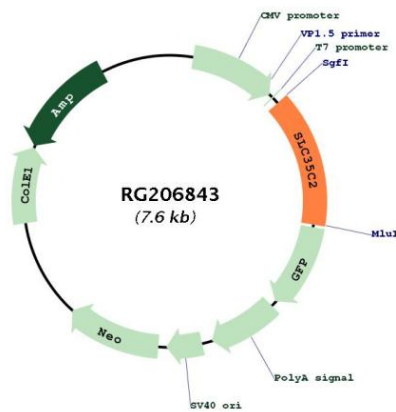
UniProt ID: [Q9NQQ7](#)

Cytogenetics: 20q13.12

Protein Families: Druggable Genome, Transmembrane

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]

Product images:



Circular map for RG206843