

Product datasheet for MR228788

Slc35c2 (NM_001252575) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc35c2 (NM_001252575) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Slc35c2
Synonyms: C85957; CGI-15; D2Wsu58e; Ovcov1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228788 representing NM_001252575
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCAAATCCTCTGCTGTGCTCTTTATCCTGATTTTCTCTCATCTTCAAGCTGGAGGAAGTGCCTG
CAGCCCTGGTCTGGTGGTCTGCTCATTGCTGGGGCCCTTTCATGTTTACCTATAAGTCCACGCAGTT
CAATGTGGAGGGCTTTGCCTTGGTGTGGGGCTTCGTTTCATCGGTGGCATCCGCTGGACCTTACACAA
ATACTCCTGCAGAAAGCCGATCTTGGCCTCCAGAATCCCATTGACACCATGTTCCACCTGCAGCCACTCA
TGTTTCTGGGCTCTTCCCTCTTTGCCATATTCGAAGGTCTCCTACTGTCCACCTCTGAGAAGATCTT
CCGCTTCCAGGACACAGGGCTGCTCCTGTGGTGTGGGAGCCTCCTCCTCGGTGGGATTCTGGCCTTC
GGTTTGGGCTTCTCCGAGTTCCTCCTGGTCTCCAGAACGTCAAGCCTCACACTCTCCATCGCTGGCATCT
TTAAGGAAGTCTGCACCCTGCTGTTGGCAGTCCACTGCTGGGCGACCAGATCAGCCTCCTGAACTGGCT
GGGCTTTGCCCTCTGCCTCTCTGGCATCTCCCTGCATGTGGCCCTCAAGGCTCTACATCCAGAGGTGAT
GGTGGCCCCAAGCCCCTGAAGAGCCTGGGCTCCAGCGCTGACCTGGAAGTCTGCTCCGGAGTAGCCAGC
AGGAGGAAGAGGACGGGAAGAGGAATATTTGTGACCCAGGGACAACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228788 representing NM_001252575
Red=Cloning site Green=Tags(s)

MTKSSAVLFILIFSLIFKLEELRAALVLVLLIAGGLFMFTYKSTQFNVEGFALVLGASFIGGIRWTLTQ
 ILLQKADLGLQNPIDTMFHLQPLMFLGLFPLFAIFEGLHLSTSEKIFRFQDTGLLLWVLSLLLGGILAF
 GLGFSEFLLVSRSSSLTSLIAGIFKEVCTLLLAHLLGDQISLLNWLGFALCLSGISLHVALKALHSRGD
 GGPKPLKSLGSSADLELLLRSSQEEEDGEEYFVTQGQQ

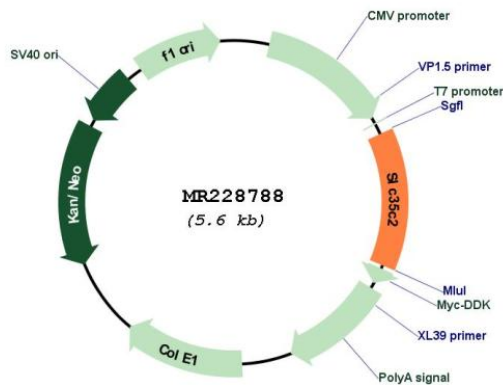
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001252575
ORF Size: 750 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_001252575.1 , NP_001239504.1
RefSeq Size:	1938 bp
RefSeq ORF:	753 bp
Locus ID:	228875
Cytogenetics:	2 85.53 cM
MW:	27.7 kDa
Gene Summary:	May play an important role in the cellular response to tissue hypoxia. May be either a GDP-fucose transporter that competes with SLC35C1 for GDP-fucose, or a factor that otherwise enhances the fucosylation of Notch and is required for optimal Notch signaling in mammalian cells (By similarity).[UniProtKB/Swiss-Prot Function]