

Product datasheet for MR204875

Slc35b4 (NM_021435) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc35b4 (NM_021435) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Slc35b4
Synonyms: 4930474D06Rik; AB041549; AW494345
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR204875 representing NM_021435
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCCCGCCTTCGGGTGGGCCTGGTGTTCGACGGCTGCTGCAGTAATGTGATCTTCTAGAGCTGC
TGGCCCGGACACATCCAGGATGCGGGAACATCGTCACGTTTGGCGAGTTCTTATTTATTGCTGTGAAGG
CTTCTTTTGAAGCTAACTTGGGAAGGAAGCCACCAGCTATCCAATAAGTACTATGCCATCATGGTA
ACCATGTTCTTCACTGTCAGCGTGGTGAACAATATGCCCTGAACCTGAACATCGCCATGCCGCTGCATA
TGATATTCAGATCAGGCTCTCTGATTGCCAACATGATTCTAGGAATTATCATTTTGAAGAAAAGATACAG
TATGTTCAAGTATACCTCCATTGCCCTGGTGTCTGCAGGGATATTTATTGCACTTTTCATGTCAGCAAAG
CAGGTGACTGTCCAGACCGGCTTGAGTGACAAGGATGGATTCCAGGCCTTGCATGGTGGTACTAGGTA
TTGCGGCACTGACCTTCGCTCTGCTGATGTTCGCAAGAATGGGCATCTTCCAAGAGACTCTGTACAGACA
GTTTGGGAAGCACTCCAAGGAGGCGTATTTTATAATCACGCCCTTCCACTTCCCGGGTTCATCTTCTTG
GCCTCTGATATTTATGACCAGTTGTCTGTTCAATAAGTCTGAACCTCTAAGTCCAGTTCATCGGTG
TGACGATGCCCGTCATGTGGTTCACCTCCTCATGAATGTCGTGACTCAATATGTGTGCATCCGGGGTGT
GTTTCATCTTACAACAGAGTGTACCTCCCTCACCGTCACTGGTGTGACTCTGCGCAAGTTTGTGAGC
CTCATCTTTCTATCTTGTACTTCCAGAACCAGTTCACATGTGGCACTGGCTGGGCACCTCGTTTGTCT
TCATTGGAACCTTAATGTACACAGAGGTGTGAAAAACCTCGGGACCACAAAAAGTGAGCTGCAAAAGGA
TGACAAGAAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204875 representing NM_021435
Red=Cloning site Green=Tags(s)

MRPAFAVGLVFAGCCSNVIFLELLARTHPCGNIIVTFAQFLFIAVEGFLFEANLGRKPPAIPRIYYAIMV
 TMFFTVSVVNNYALNLIAMPLHMIFRSGSLIANMILGIIILKKRYSMFKYTSIALVSAGIFICTFMSAK
 QVTVQTGLSDKDGFAFAWLLGIAALTFALLMSARMGIFQETLYRQFGKHSKEALFYNHALPLPGFIFL
 ASDIYDHVVLFNKSELYQVPVIGVTMPVMWFYLLMNVVTQYVCIRGVFILTTECTSLTVTLVVTLRKFVS
 LIFSILYFQNQFTMHWLGT SFVFIGTLMYTEVWKNLGTTKSELQKDDKKD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9020_f01.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_021435

ORF Size: 993 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.

RefSeq: [NM_021435.3](#), [NP_067410.1](#)

RefSeq Size: 3697 bp

RefSeq ORF: 996 bp

Locus ID: 58246

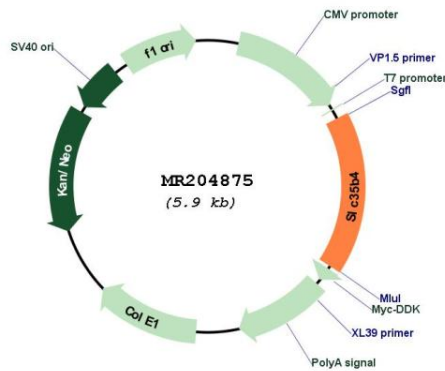
UniProt ID: [Q8CIA5](#)

Cytogenetics: 6 A3.3

MW: 38 kDa

Gene Summary: Sugar transporter that specifically mediates the transport of UDP-xylose (UDP-Xyl) and UDP-N-acetylglucosamine (UDP-GlcNAc) from cytosol into Golgi.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204875