

Product datasheet for **MR229861**

Slc37a4 (NM_001293630) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc37a4 (NM_001293630) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc37a4
Synonyms:	100043178; G6PT; G6pt1; GSD-1b; mG6PT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR229861 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCCCAAGGCTACGGCTACTATCGCACTGTATATTTGCGCCATGTTTGGAGGCTACAGCCTGT
 ACTATTTCAACCGCAAAACCTTCTCCTTTGTCATGCCCTCCTTGGTGGATGAGATCGCTCTGGACAAGGA
 CGATTTGGGGCTCATACAAGCAGCCAGTCGGCAGCCTACGCCATCAGCAAGTTTGTGAGCGGGTTCTG
 TCAGATCAGATGAGCGCCCGCTGGCTCTTCTCCTCTGGGCTGCTCCTGGTTGGTCTGGTCAACGTAGTCT
 TCTCATGGAGCTCCACAGTGTACGCCTTTGCTGCTCTTTGGTTTCTAATGGTCTGGCACAGGGGCTGGG
 CTGGCCCCCTGTGGGAAGATCTGAGGAAGTGGTTTGGCCATCCCAGTTTGGCACTTGGTGGGCTGTG
 TTGTCAACCAGCATGAACCTGGCTGGAAGTTTGGGACCTATCTTGGCAACGATCCTCGCCAGAGCTACA
 GCTGGCGCAGCACACTGGCCCTGTCTGGGGCAGTGTGTGGTTGTCTCCTTCTTCTGTCTGCTGCTTAT
 CCACAATGAACCTGCTGATGTTGGACTCCGAAATCTGGACCCTGCCCCCTCAAGGGCAAAAAGGGCTCA
 TCAAAGGAGGAGAGCACCTACAGGATCTGCTGCTGTCCCCCTATCTCTGGGTGCTGTCCACTGGCTACC
 TCGTGGTCTTCGGAGTAAAGACTTGCTGTACAGACTGGGGCCAGTTCTTCTTATCCAGGAGCGAGGGCA
 GTCCGCCCTTGTGGGTAGCTCCTACATCAGTGCCTCGAGGTCGGAGGCCTTGTAGGAAGCATTGCAGCT
 GGTTACCTGTCAGACAGGGCCATGGCGAAGGCAGGGCTGTCTCTGTATGGGAACCTCGTCACGGCCTAT
 TGCTACTCATGATGGCTGGGATGGCAGCATCCATGTTCTCTTCCGAGTAACGGTGACCAGTGACTCACC
 CAAGATCTGGATCCTGGTTTTAGGAGCCGTGTTGGTTTCTTCTTATGGTCCCATTGCCTTGTTTGGA
 GTCATAGCCAATGAGAGTGCACCTCCAACTTGTGTGGAACCTCATGCTATTGTGGGACTTATGGCCA
 ATGTGGGTGGATTTCTGGCTGGCTTACCCTTCAGCACCATTGCCAAGCACTATAGCTGGAGCACAGCCTT
 CTGGGTGGCAGAAGTGGTTTGTGGAGCCAGCACAGTTGTCTTCTTCTTCTTCTCGAAATATCCGCACCAAG
 ATGGGCCGAGTATCCAAGAAGGGAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR229861 protein sequence
 Red=Cloning site Green=Tags(s)

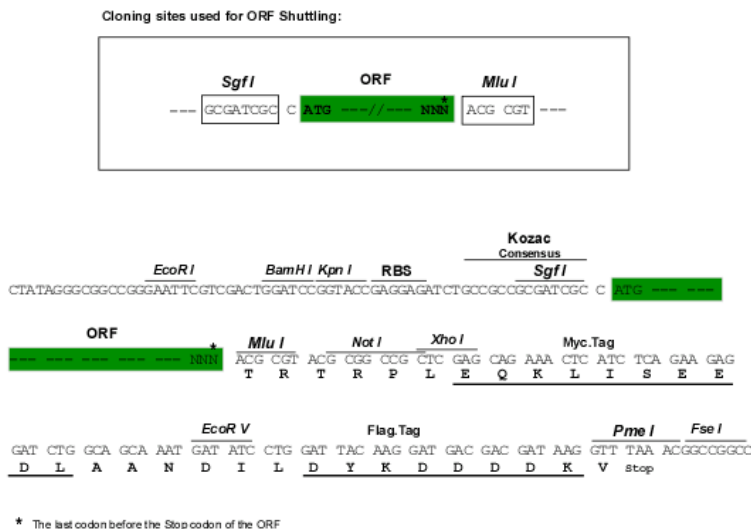
MAAQGYGYRTVIFAAMFGGYSLYYFNKTFVMPVSLVDEIALDKDDLGLITSSQSAAYAISKFVSGVL
 SDQMSARWLFSSGLLLVGLVNVVFSWSSTVSAFAALWFLNGLAQGLGWPPCGKILRKWFEPSQFGTWWAV
 LSTSMNLAGSLGPILATILAQSYSWRSTLALSGALCVVVSFFCLLLIHNEPADVGLRNLDPAPSKGKKS
 SKEESTLQDLLLSPYLWVLSGTYLVVFGVKTCTDWGQFFLIQERGSALVGSYSYISALEVGGLVGSIAA
 GYLSDRAMAKAGLSLYGNPRHLLLLMMAGMAASMFLFRVTVTSDSPKIWILVLGAVFGFSSYGPIALFG
 VIANESAPPNLCGTSHAIVGLMANVGGFLAGLPFSTIAKHYSWSTAFWVAEVVCGASTVVFFLLRNIRTK
 MGRVSKKGE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001293630

ORF Size: 1290 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_001293630.2](#)

RefSeq Size: 2360 bp

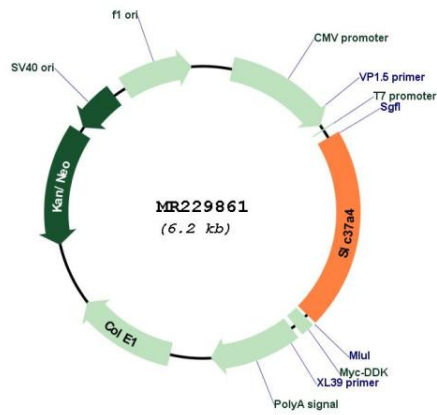
RefSeq ORF: 1290 bp

Locus ID: 14385

Cytogenetics: 9 A5.2

MW: 46.1 kDa

Product images:



Circular map for MR229861