

Product datasheet for **MC219231**

Slc13a5 (NM_001004148) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc13a5 (NM_001004148) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc13a5
Synonyms:	Indy; mINDY; NaC2/NaCT; Nact
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NM_001004148.4
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATTCGGCGAAGACTTGTGTGACCAAGTTC AAGTTCCTTTCGATTTTCTCTTCACCCCGATCCTGA
TGCTTCCACTCGTCATTCTGATACCTGACAAGTTTGCCAGGTGTGCCTATGTTATAGTCATTATGGCTGT
CTACTGGTGCACAGATGTCATCCAGTGCTGTTACCTCCCTCCTGCCTGTCTTACTCTTCCCACTTTTG
AAGTTTCTGGACTCCAAGCAGGTATGTATCCAATACATGAAGGACACCAACATGCTGTTCTGGGACGTC
TCATTGTGGCTGTGGCTGTGGAACGCTGGA AACTTCATAAGAGGGTTGCCCTGAGAATGCTGCTTTTGT
GGGGACCAAGCCCTCACGGCTGATGCTGGGCTTTATGTTTGTACGGCCTTCTGTCCATGTGGATCAGC
AATACTGCCGCCACAGCCATGATGATACCCATTGTGGAGGCCATGCTGCAGCAAATGATAGCCGCCAATA
CAGCTGTGGAGGCCAGCCTGGGGACACTGGAGCTGCTGGACAAGAACAAGACCAGCGAGTTGCCAGGAAG
CCAGGTGGTATTTGAAGACCCCAATGTGCAGGAGCAGGAAGACGAAGAAACAAAGAAATATGTACAAGGCT
ATGCACCTATGTGTTTGCTATTCAGCCAGCATTGGGGGTACAGCCACCTTGACCGGGACGGGACCCAACG
TGGTGCTCCTGGGCCAGATGCAGGAATTGTTTCTGACAGTAAAGATGCTCTGAACATATGCATCTTGTT
TGGATTTGCCTTCCCAACATGGTATGATGCTGGTGTGGCCTGGCTGTGGCTCCAGTGCCTGTACATG
AGACACAATTTAAAAAACTTGATCTGCTGTGGGGAGAAGAAGAGGGACACCGAGAAGATTGCCTACA
AAGTGCTGAACGAGGAGTACCAGAAGCTGGGGTCTTGAGCTACCCTGAATGCAACGTGCTCTTTTGCTT
CACCTACTTGTATCCTGTGGTCTCCCGAGACCCCGGCTTTCATGCCTGGCTGGCTGTCATTCCGCTGG
GTCGAGGGAAACACCGTTCATATCACAGATGCCACAGTGGCCATCTTTGTGGCCATTTTGTCTTTTCATCA
TACCTTCACAAAAGCCCAAGTTC AACTTCAGCAGCCAGACTGAGGAAGAAAGAAAACCGTTTCTACCC
CCAGCACTGCTGGATTGAAAAGTCGCCCAAGAGAAAGTGCCCTGGGACATCGTGTCTGCTCCTGGGGGA
GGGTTTGTATGGCAAAAGGATGTGAGACGTGAGGGCTCTCGAAGTGGATGGCAGCACAGATGGAACCTT
TGAGATTAGTGAACCTGCTGTCTTACCTTGATCTTGTCTGTCTTGTGCAATGACCACAGAGTGCAC
AAGTAACGTGGCCACTACCACCTGTTCTGCCTATCTTTGCCTCCATGGCTCGTTCCATTGGTATCCAT
CCTCTGTATGTCATGATCCCTGTACCATGAGTGTCTCACTTGCCTTTCATGTTGCCTGTGGCCACCCAC
CGAATGCCATCGTGTTCCTACGGACACCTCAGAGTTGTTGACATGATGAAAACAGGATTGATAATGAA
CTTCGTTGGAATCCTATCTGTGTTCTGTCACTCAACACCTGGGGTGGGCTATGTTAACTTGGATAAC
TCCCCGACTGGCAAATCAACAAGTGTAACTTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1450_c06.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001004148

Insert Size: 1719 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001004148.4](#), [NP_001004148.1](#)

RefSeq Size: 3285 bp

RefSeq ORF: 1719 bp

Locus ID: 237831

UniProt ID: [Q67BT3](#)

Cytogenetics: 11 B4

Gene Summary: High-affinity sodium/citrate cotransporter that mediates citrate entry into cells. The transport process is electrogenic; it is the trivalent form of citrate rather than the divalent form that is recognized as a substrate. May facilitate the utilization of circulating citrate for the generation of metabolic energy and for the synthesis of fatty acids and cholesterol (By similarity). [UniProtKB/Swiss-Prot Function]