

Product datasheet for **RN215206**

Slc2a13 (NM_133611) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc2a13 (NM_133611) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc2a13
Synonyms:	Hmit
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN215206 representing NM_133611
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGTCCCCAAGGCGAGCGAGGACGTGGAGTACACGCTGCGCAGCCTGAGCAGCCTGATGGGCGAGAGGC
 GCCGCCGCGCAGCCGAGCCCGGGGCGCCGGGCGGAGCGCAGCCTCCTGGCCGCCGAGTCGGCCGCCAG
 CCTGCAGGGCGCGGAGCTGGAGCGCGCGCGCAGGAGTCCAGCGCAGCAGACCCCGCCTTCGTG
 TACGCGGCCGCCCTTCTCCGCGCTCGGCGGCTTCTGTTCGGCTACGACACCGGCGTGGTGTGGGGG
 CCATGCTGCTGCTGCGGCCAGATGCGCTGGGCGCATGTGGCAGGAGCTGCTGGTGTGGGCGCGGT
 GGGCGCGGCCCGCTCGCGGCGCTGGCCGAGGGGCCCTGAACGGCGCCCTCGGTGGCGAAGCGCCATC
 CTGCTGGCCAGCGCCCTGTGACCGTGGGCTCCGCCGTGCTGGCCGCCGCCCAACAAGGAGACGCTGC
 TGGCCGGCCCGCTGGTCTGGGGCTCGGCATCGGCATCGCATCCATGACAGTGCCCGTGTACATCGCGA
 GGTCTCTCCACCAACCTGAGAGGTGCTTGGTACCATCAACACCTCTTCATCACCGCGGACAGTTC
 TTTGCGAGCGTTGTTGATGGAGCCTTTAGTTACCTGCAGAAGGATGGATGGAGGTACATGTTGGGACTTG
 CGGCCATTCCAGCCGTTATACAATTCCTCGGATTCTCTTTTGGCCGAAAGTCCTCGGTGGCTGATACA
 GAAAGGACAGACTCAGAAGGCCCGCCGAATTTGTCCCAGATGCGTGGGAATCAGACCATTGACGAGGAG
 TATGACAGCATCAGGAACAGCATCGAGGAGGAGGAGAAGGAAGCCAGCGCAGCTGGACCTATAATCTGCA
 GAATGCTGAGTTACCCCAACTCGCCGAGCGTTAGCTGTGGGATGTGGCTTACAGATGTTCCAGCAGCT
 CTCGGGCATCAACACTATCATGTACTACAGCGCAGCATCCTGCAGATGTCCGGCGTGGAAGATGATAGA
 CTTGCAATATGGCTGGCTTCCATTACAGCGTTCACCAATTTCAATTTCACTGGTGGGCGTCTGGCTCG
 TGGAGAAGGTGGCCCGCAGGAAGCTCACCTTTGGCAGTTTGGCAGGTACCACAGTAGCACTTACAATTC
 TGCCTTGGGATTTCTGCTCTCAGCTCAGGTCTCACCCAGGGTCACTTTCAGACCAACGGCTCCCTCGGGT
 CAAAATGCCACCTGCACAGAATACAGTTACTGTAATGAGTGTATGCTGGATCCAGACTGTGGTTTCTGCT
 ACAAGATCAACAGTTTCGGCTGTCTTCTCTCTGTGTTCCGGTGAACAAAGCTTCCACCAATGAAGC
 AGCCTGGGGCAGGTGTGAAACGAAACCAAGTTCAAAGCAGAAGATGTTCACTGGGCTTACAGTTTCTGC
 CCTACCCATACTCCTGGACAGCACTCGTGGGCTGGTGTATATCTTGTCTTTTGCACCCGGAATGG
 GACCAATGCCCTGGACCGTGAACCTGAAATCTATCTCTCTGGCAAGAAGTACAGGAAATGCGTGCTC
 AGCTGGAATAAACTGGATTTTCAACGTGCTGGTTTCACTGACCTTTTACACACAGCGGAGTATCTTACA
 TACTATGGAGCGTTCTTCTCTACGCCGATTCCCGCTGTGGGACTGCTTTTCGTCTATGGCTGTCTTC
 CTGAAACCAAGGAAAAAACTAGAGGAAATCGAATCGCTCTTCGACCACCGGCTGTGCACCTGCGGCAC
 CGCGGACTCGGACGAGGGCAGGTACATCGAGTACATCCGCGTGAAGGGAAGTAACCTACCATCTCTCCGAC
 AACGACGCCTCGGACGTGGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_133611

Insert Size: 1914 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:	<u>NM_133611.2, NP_598295.2</u>
RefSeq Size:	6235 bp
RefSeq ORF:	1914 bp
Locus ID:	171147
UniProt ID:	<u>Q921A2</u>
Cytogenetics:	7q35
Gene Summary:	acts as a transporter for myo-inositol and related stereoisomers; transport activity is induced by decreased pH with maximal activity at pH 5.0, may play a role in myo-inositol metabolism in the brain [RGD, Feb 2006]