

## Product datasheet for **MC223696**

### Slc4a7 (NM\_001033270) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Slc4a7 (NM\_001033270) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Slc4a7  
**Synonyms:** E430014N10Rik; NBC3; NBCn1; NBCn1-G  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223696 representing NM\_001033270  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGGCAGACGGGGCCGGCGAGCAGATGAGACCGCTACTCACGCGGGTCCAGATGAAGAAGCTGTTG  
TGGATCTTGGCAAACACTAGCTCAACTGTGAACACCAAGTTTAAAAAGAAGAATTAGAAAGTCATCGAGC  
TGTATATGTTGGTGTTCATGTACCATTTAGTAAAGAGAGTCGTCGGCGTCAACAAGCATCGAGGGCACAAA  
CATCACACCAGGAGAAGAAAAGACAAAGACTCAGATAAAGAAGATGGACGGGAATCTCCTCTTATGACA  
CGCCATCGCAGAGGGTGCAGTTCATCCTCGGGACTGAAGACGACGATGAGGAGCACATCCCCACGACCT  
CTTCACAGAGATGGATGAGCTCTGCTACAGAGACGGAGAAGAGTACGAGTGGAAGGAGACGGCCAGGTGG  
CTGAAATTTGAAGAGGATGTTGAAGATGGTGGTGACCGATGGAGTAAACCCTATGTGGCAACTCTGTCTC  
TACACAGTCTCTTTGAATTGAGGAGTGTATCCTGAATGGAACAGTTATGCTGGATATGAGAGCAAGCAC  
TCTTGATGAAATTGCAGATATGGTGTAGACAACATGATAGCATCTGGCCAGTTAGATGACTCCATAAGG  
GAGAACGTCAGAGAAGCTCTTCTGAAGAGACATCATCAAAAAGGAAAAGGTTACAGAGTCGGATTC  
CCCTGGTTCGATCCTTTGCAGATATAGGCAAGAAACATTCTGACCCTCACTTGCTTGAAGGAATGGGAT  
TTTGGCTTCTCCACAGTCTGCTCCTGGAACTGGACAATAGTAAAAGTGGTGAATGAAAGGTAACGGGA  
AGTGGAGGAAGCAGAGAAAATAGTACTGTTGACTTTAGCAAGGTTGACATGAATTTTCATGAGGAAAATTC  
CTACAGGAGCTGAGGCATCCAATGTTTTGGTAGGAGAAGTGGACTTCTGGAGAGACCGATCATTGCATT  
TGTGAGACTGGCTCCTGCAGTTCCTCTCAGGGTTGACTGAGGTCCCTGTGCCACTAGGTTTTTGT  
CTGTTACTGGGCCAGCAGGAAAGCCCCACAGTACCATGAAATGGCAGATCCATAGCAACTCTCATGA  
CAGATGAGATTTTCATGATGTGGCTTATAAAGCAAAAGATCGTAATGACCTCCTATCTGGAATTGATGA  
ATCTTAGATCAAGTAACTGTTCTTCTCCAGGAGAGTGGGATCCTTCCATACGCATAGAGCCTCCAAAA  
AGTGTTCCTTCTCAGGAAAAAGGAAGATTCCTGTGTTTCTAATGGATCTGCTGCAATGTCTGTTGACC  
CTCCAAAGGAGGATGATACCATGCTGGCCTGAGCTGCAGAGGACTGGACGGCTTTTTGGTGGTTTGTAT  
ACTTGACATCAAAAGGAAAGCACCTTTTTTCTGAGTGACTTCAAGGATGCATTAAGTCTGCAGTGCCTG  
GCCTCGATTCTTTTCTATACTGTGCCTGTATGTCTCCTGTAATCACTTTTGGAGGGCTGCTTGGAGAAG



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CTACAGAAGGCAGAATAAGTGAATAGAGTCTCTTTTTGGAGCGTCATTAAGTGGGATTGCCTATTCATT  
 GTTTGCTGGGCAACCTCTAAACAATACTGGGAGCACAGGTCCAGTCCAGTGTGGTGGAAAAATTTTATTT  
 AAATTCTGTAGAGATTATCACCTTTCTATCTATCATTAAAGAACAGTATTGGTCTGTGGACATCTTTCT  
 TGTGCATTGTATTGGTCGCAACAGATGCAAGCAGCCTTGTGGTTACATTACTCGGTTACAGAAGAAGC  
 TTTTGGCGCTCTCATTGTATCATATTCATCTATGAAGCTCTGGAGAAGCTTTTCACTTAGGAGAAATA  
 TATGCATTTAATATGCACAACAACCTGGATGAATTGACCAGTTACACATGTGTATGTGCTGAGCCATCTA  
 ACCTAGCAACGAACTCTAGAAGCTGGGAGGGAAGAATAACAGCATACAGTGTTCCTGGGGCAA  
 CCTTACTGTTTCTGAGTGAAGACCTTCCATGGTATGTTTGTGGGATCAGCTTGTGGCCTCATGGACCT  
 TATGTTCTGACGTGCTCTTCTGGTGTGCTGCTTGTGTTTTACGACGTTCTTTCTGTCTTCATTCTCA  
 AGCAGTTTAAGACCAAGAGATATTTTCTACCAAGGTACGATCAACAATCAGTGACTTTGCTGTATTTCT  
 CACAATAGTAATAATGGTTGCAATTGACTACCTTGTAGGAATCCATCTCCTAAACTTTCATGTGCCTGAA  
 AAGTTCGAGCCTACTGATCCAAGTAGGGCTGGATCATAAGCCCTTTGGGAGATAACCCTTGGTGGACCT  
 TACTAATGCAGCAGTTCAGCTCTCCTTGTACTATTCTCATCTTTATGGACCAGCAGATCACAGCTGT  
 AATCATCAACAGAAAAGAACACAACCTCAAGAAAGGAGCTGGCTACCACCTTGACTTGCTCATGGTTGGT  
 GTCATGTTGGGAGTCTGCTCTATCATGGGCTTGCCGTGGTTTGTGGCTGCGACAGTGTGCTATAAGTC  
 ATGTCAACAGCTTGAAAGTGGAGTCTGAGTGTCTGCTCCAGGGAGCAGCCCAAGTTTCTGGGAATTCTG  
 TGAACAGCGGGTTACAGGCTGATGATTTTTATCCTGATGGGCCTCTCTGTGTTTCATGACTTCAGTATTA  
 AAGTTTATCCCAATGCCAGTTTTGTACGGTGTGTTTTCTTTATATGGGAGTTTCATCGTTGAAAGGAATTC  
 AGTTTTTTGACCGTATCAAGTTATTTGGAATGCCTGCCAAGCACCAGCCCGACCTAATCTACCTCCGCTA  
 TGTCCCTGTGGAAAGGTGCACGTGTTACGGTCCAGCTGACCTGCCTAGTCTGCTGTGGGTGATC  
 AAAGCCTCTGCTGCTGCAGTAGTTTTCCCATGATGGTTCTTGCATTAGTCTTTGTGCGCAAGCTCATGG  
 ATCTCTGTTTCAAAAGAGAGAAGTCAAGTGGCTTGCATGACCTCATGCCAGAAAGTAAGAAAAAGAAAGA  
 AGATGACAAAAAGAAAAAGAGAAAGGGAAGCTGAACGGATGCTTCAGGATGATGAGGACACTGTGCAC  
 CTCCTTCCGAAAGAGGGAGTCTCCTGCAGATTCAGTGAAGAACTCTAAAATATAGTATTGACCCTTCCAG  
 TTGTTAACATATCAGATGAAATGGCCAAAAGTCCAGTGGAAAGGCACTTCCATGAATACTGAGAATGC  
 CAAAGTACGAGACCTAACACGAGCCCTGAAAAGCCTGTGAGTGTGACAATAAATTTGAAAGATGAACCG  
 TCAAAAAATACATGGATGCTGAACTTCATTGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001033270
- Insert Size:** 3396 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\_001033270.2, NP\_001028442.2  
RefSeq Size: 7389 bp  
RefSeq ORF: 3396 bp  
Locus ID: 218756  
Cytogenetics: 14 A1