

Product datasheet for **MC205324**

Slc15a4 (NM_133895) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc15a4 (NM_133895) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc15a4
Synonyms:	AA987064; AW742963; C130069N12Rik; PHT1; PTR4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC016233
 ACCGAGTCCTCAGTGAACCGGCCATGGAGGGCGAGCGGGCGCCGCTGTTGGGTTTCGCGGCGTCCGGCAGT
 GTCGGCGGCGTCCGCGGTGTTTCGCGGGGCGGCGTGCGGCGTGCGGGGCGGTGCTGTTGGCCGAGCTGCTG
 GAGCGCGCGCCCTTCTACGGCGTACGGCCAACCTGGTGTCTTCTGAATGGCGCGCCGTTTCGACTGGG
 AGGGCGCGCAGGCCAGCCAGGCGCTGCTGCTTTCATGGGCTCACCTATCTGGGCTCGCCGTTTCGGGGG
 CTGGCTCGCCGACGCCCGCTCGGCCGGCCCGCCATCCTGCTCAGCCTGGCCCTCTACCTGTGGG
 CTGCTGGCCTTCCGCTGCTGGCCGCGCCCGCTCGCGTCTTCTCTGCGGGGACCCGCGGCCGAGC
 TCGTGCGCAACTGCTCGGCGCCCTTCCCAACGGGTCAGCGTCTGTCCGAGAACGCCGCGCGCCGCTG
 TGCCCCGCCACCTTCGCGGGGCTCGTGTCTGTGGGTCTCGGGGTGGCCACGGTCAAGGCCAACATCACG
 CCCTTCGCGCGCGATCAGGTTAAAGATCGAGGTCCAGAAGCCACTCGGAGATTTTTCAATTGGTTTTACT
 GGAGCATTAAATTTGGGAGCAATCTGTCATTAGGAGGTATTGCCTATATTCAGCAGAATGTGAGCTTTTT
 CACAGGCTACCTGATTCCCACAGTCTGTGTGGCATTGCTTTCCTGGTCTTCTCTGTGGCCAGAGTGT
 TTCATACCAAGCCTCCTGACGGCAGTGCCTTCACTGACATGTTCAAGATTCTGACCTACAGTTGCTGCT
 CCCAGAGAGGAGGGCAGCGGAGAAGTGGTGAAGGCCTTGGAGTCTTTCAGCAATCTTCTAAACACAGTCT
 GTTTGATTTCATGTAAGATGTCGCGTGGAGGGCCGTTACAGAGGACAAAGTGAAGACGTGAAAGCCCTG
 GTCAAGATTGTGCCCGTGTCTTGGCTCTGATTCTTACTGGACAGTGTATTTCCAAATGCAGACCACAT
 ATGCTTTACAGAGTCTTCATTTGAAGATTCCAGAAATCTCAAGTATCACACCACCCATCACACGCTGCC
 TGCAGCTTGGCTCACCATGTTTGTGCGGTGCTCATCCTCCTGCTCATCCCACTGAAGGACAAGCTGGT
 GACCCGGTGTGAGGAGACATGGCCTGCTCCCATCCTCCTGAAGAGGATTGCTGTGGGGATGTTCTTCG
 TCATGTGCTCTGCCTTGTGTCAGGAATCCTGGAGAGTAAAAGGCTGGACCTGGTAAAGGAGAAGACCAT
 TAACCAGACCATTTGGTGGTGTGGTGTACCATGCTGCTGACTTGCCCATCTGGTGGCAGATCCCACAGTAT
 GTGCTCATTGGCATCAGTGAGATATTTGCAAGTATAGCAGGTCTGGAATTTGCATACTCAGTGGCCCCA
 AGTCCATGCAGAGCGCCATCATGGGACTCTTCTTCTTCTCTGTCATTGGGCTCTTGTGGCTCAGG
 ACTGTTGGCCCTGGTGTCTCTCAAGGCCATTGGGTGGATGAGCAGTCATACAGATTTTGGGAACATCAAC
 AGTGCCACCTGCATTACTACTTCTTCTGCTGGCCGCCATCCAGGGAGCTACGCTGCTGCTTCTCTCA
 TTGTGTCTGTGAAGTACGACCGCCAGCGAGCCAGGACAGATGGGGGGCCAGCCAGCACGAGGACCTGATG
 CAGCCAGCCAGCATGCTCACAGTTCTGCAGACTTAAGGCCTCAGGGCTTGCTAACTACCAGGGCACTG
 CCAGCAAGCAGACTGAGGCTAGATTGTTGGTGTCCCAACTTCTGAACTTGCATGTTGTCTGGACTGGCTT
 CTCCTCCCTATGCCCGGATGATGGTGGTGAAGTGCCTTACTATGGCCCGTCTCATGTGACTGGCCTGC
 CAGGAGATGAGGATGTGGCTTCTCTCACTGAAGGTCTCTGCCAGTCTGAGCCAGCCATGCTCTCCTGGG
 CAGCCACCGTTCTGCTGCTGCCATCCTTATTCCTTACAAATATTGTTACTTCTCATAGCATCTCCTTTA
 CGATTAGCAAGCACTTCCATCAAGGCATAGGAGGATTCTCTTTAGAGGTGAAAGTGTGGTTGATGTC
 AGAGCCCTAGGAGCTGTGTCTACTCCATCATGGACTCTTGTACAGGCCTGGCTGATGCCAAGGCCTTTG
 TGGGTCAGTCATGTAGGCTCATCTGCTCAGAAAGTAGGTTTTGTTGACTGAGATAAAGAAGTTTTTATTA
 GACTAGGCTGGCCTCAAACCTTGGGGCTGCCTCATGTCTGCTTCTCAAGTGTGAGATCTCAGATGTCTGT
 CACTATGGTCAGCAGGACTTAGGTCATGAACAACCTGATCTGCTTTAAGCACATGTGTCCGTGGTATTGA
 GGACACCATGTCTCACTGAAACCAGACAGCAGCTGGCAGGAGATTGGCAGTTACACCACGCAGATCTTT
 TCTGAGAACTTGACTTTGTGTAGCAGTAAGGATGGAGGCAGGTGGTGAAGTGGGAAAACATGGGAGCTGC
 TGGGCTATTGGCCAGCTTTGTACCGTTACTGACATCTGGGGTCTGAGTTTGTCAACTGAACTGTTGTG
 TGTGTTGCTGTGTTTTGTATAATTTTATAAAAAGCTTCTCAGACTGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_133895
Insert Size: 1725 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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: [BC016233](#), [AAH16233](#)

RefSeq Size: 2720 bp

RefSeq ORF: 1725 bp

Locus ID: 100561

UniProt ID: [Q91W98](#)

Cytogenetics: 5 G1.2

Gene Summary: Proton oligopeptide cotransporter. Transports free histidine and certain di- and tripeptides (By similarity).[UniProtKB/Swiss-Prot Function]