

Product datasheet for **MC202901**

Slc7a13 (NM_028746) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc7a13 (NM_028746) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc7a13
Synonyms:	0610009O04Rik; AGT-1; AGT1; XAT2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC014684 sequence for NM_028746
 GGCAGAAACATTCACAGAGTACAATTTTGTGAATGTAACTTCTCTCAATGGCAATGGATTCAAAGAAGG
 AAATCCGTCTTAAGAGAGAACTTGGATATTTCTGGGGACAACTTTTAAATTATAATTAATGGTGC
 AGGAATATTTGTGTCCCCAAGGGAGTGTCCAGCACTTCCATGAATGTTGGAGTCTCCTTGTGTGT
 TGGGCTGTCTGTGCAGTGTGACCTTGACCAGTGTCTGTCTGCAGAGATCGGGATAACCTCCCAT
 ACAGTGGGGCTCACTATTATTTTTAAAGCGATGCTTCGGCCCTCTCGTGGCATTCTGAGGCTTGGAC
 TAGCTTGTCTCGGCCAGGCTTAATTGCTAGCCAAGCTCTGCTACTGGCTGAGTATGGCGTTCAGCCT
 TTTTATCCCAGTGTCTGCCCCGATTCTACCAAGAAAATGTCTGGCCCTGGCGATGCTGTGGATTGTGG
 GAATTCTGAATTCTCGTGGTGTAAAAGAGCTGTATGGCTTCAGACAGTGAAGTGTGAGGTTGGG
 CATACTCGGTGTCAATTCCTCAGCGCCCTGTTCTTGTGGTGTGAGAGGGAAGAAGGAGAATGTACAAAGG
 CTTCAGAATGCGTTTGTGCGGAGTCCAGAGGTCTCTCAGTTAATAGAAGCTATTTTCCAAGGATACT
 TTGCGTTTTCTGGCGGGGATGCTTTACATGTATAGCAGGGGAGCTGAAGAAACCCAGTAAACAATTCC
 TAGATGCATCTTACAGGACTGCCTCTGGTAACTGTCGTGACTTACTGGCTAATATTTCTACCTGACA
 GTTCTGACACCCAGGAAATGCTCTCTCAGATGCTGTTGCTTACATGGACAGACAGGGTCATCCCC
 AATTCACATGGACTGTTCTTTTGTATTTCTGCTTCACTGTTTATCAACCTTGTGATTAATGTACTTGA
 GACATCAAGAGTGTATATATTGCAAGTGAAGTGGCCAGCTGCCTTTGTGTTTTGTGCCCTGAATGTC
 CATTCTCTCCCTTTATAGCTGTGCTACTAATTATCAGTATGGCATCCATTTTAAATTGTCTTAACAAACC
 TAATTGATCTGATAAACTATCTCTATTTTGTGTTTCCATTTGGACTGCCTTATCAATAATAGGAATCTT
 GAAACTGAGGTACCAAGAGCCCAATCTACACAGACCATATAAGGTGTTTTACCCTTACATTCATAGCG
 TTGGGCATCACCTGAGCTTGGTTTTGATCCCGCTTGTCAAGTCTCCAAAGTTGCATTATATCTATGTGT
 TCCTCTTCTTCTCAGTGGGCTGGTGTTTACGTGCCATTGATACACTTAAAGTGAAGTTCGTTTGGTT
 TCAGAAGTTGACTTGTCTATCTGCAGTACTGTTAATATTTGCATCCCTGATGTGTCTGATGACCACATA
 CATGAAGAAAGTTGAGGAAGAATAGCCTTTGTAGCCATACTGTGTTCCAGATAAAGGTTAAGTGAAGT
 AAAATAGTAATGATGGCAATGCTATAAACTGAAATGGTATATAGAAAAGTACCCAGGAAATTCCTAGTTT
 TAAAAATATCAAAGGAAATGGCTGGGTAGATGACTGTGCTGTTAAGGGCACCCAGATGTCCTTCCAGGGGA
 CTGAAGTTCAATTCACAGGCCCACTTAGAAGTTCATAACTATCTGTAATTCTAGTCACAGAGGATCCAA
 TATCCTCTACTGGATTCTACCAGCACTGCATGCATCTGGAGTAGAGACATACATGTAGGCACCCATGCAC
 ATTTACAAGAAGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_028746

Insert Size: 1437 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: [BC014684](#), [AAH14684](#)

RefSeq Size: 1847 bp
RefSeq ORF: 1437 bp
Locus ID: 74087
UniProt ID: [Q91WN3](#)
Cytogenetics: 4 A3
Gene Summary: Mediates the transport L-aspartate and L-glutamate in a sodium-independent manner.
[UniProtKB/Swiss-Prot Function]