

Product datasheet for **MR210027**

Slc3a1 (NM_009205) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc3a1 (NM_009205) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc3a1
Synonyms:	D2H; NBAT; NTAA; RBAT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR210027 representing NM_009205
Red=Cloning site Blue=ORF Green=Tags(s)

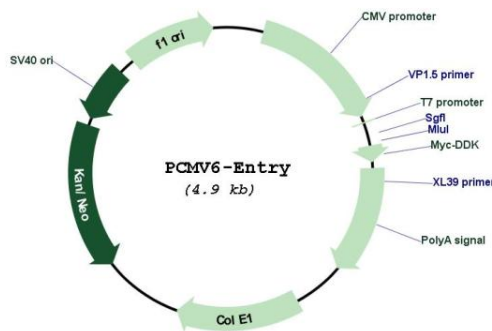
TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

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TTGTCCAAAATGAAGACATTCCGGAGCAGGACCCAGACCCAGGCTCCAGGGACACCCACAGCCCAACGC
CGTGAGTATCCCTGCTCCAGAGGAGCTCACCTAAAGGCGGTGCGGCCCTATGCAGGGATGCCCAAGGAA
GTA CTCTTCCAGTTCTCCGGCCAGGCTCGCTACCGGGTGCSSCGAGAGATCCTCTTCTGGCTCACCGTGG
TTTCCGTGTTCTGCTCATTGGAGCCACCATAGCCATCATCGTCATCTCTCCAAAATGCCTTGACTGGTG
GCAAGCAGGTCCCATATACCAGATCTACCCGAGGTCTTTTAAGGACAGTGACAAGGATGGGAATGGAGAC
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CAACCAGATTTAAATTTCCGAAATCCTGCTGTTCAAGAGGAAATAAAGGAAATAAATACGTTCTGGCTCT
CGAAGGGTGTGATGGGTTTAGTTTTGATGCAGTTAAATTTCTTCTGGAAGCGAAGGATCTGAGAAATGA
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CTGGCAGATACCGGTTTCATGGGGGCCGAAGCCTCAGCTGAGAGCATCGAGAGGACCATGATGACTATGG
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GCTCCTGTTACACTCCCGGGAACGCCATCACTACTATGGAGAGGAAATCGGGATGGGAGACATTTCC
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GTTCCAATGCTGGGTTTACTGAGGCCAACCACACCTGGCTACCCACAACCTGACTACCACACCGTCAA
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GGCAGTGTGTTGACACCCGTGCCATTTCTCTGGAGAAGGGAGAGGGCCTGGTCTTGGAGCACAGCACGA
AGGCTCCCTCCATCAGCAGGCCGCTTTCAGAGACAGATGCTTTGTTTCCAGTCGGGCGTGTACTCCAG
TGCACTGGACATCCTCTATAGCTCGTGT

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- 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_009205.2](#), [NP_033231.2](#)
- RefSeq Size:** 2307 bp
- RefSeq ORF:** 2058 bp
- Locus ID:** 20532
- UniProt ID:** [Q91WW7](#)
- Cytogenetics:** 17 55.17 cM
- MW:** 78.6 kDa
- Gene Summary:** Involved in the high-affinity sodium-independent transport of cystine and neutral and dibasic amino acids (system B(0,+)-like activity). May function as an activator of SLC7A9 and be involved in the high-affinity reabsorption of cystine in the kidney proximal tubule. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210027