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Product datasheet for MC205995

Slc22a2 (NM_013667) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc22a2 (NM_013667) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc22a2
Synonyms:	Oct2; Orct2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>BC069911
CTGTAGGTGAAGCCTCAGGATCAGCTGCCTCCAGGAACCATGCCGACCGTGGATGATATTCTAGAACATA
TAGGGGAATTCCACCTTTTCCAGAAACAAACATTTTTCCTCTTAGCTCTGCTCTCCGGTGCCTTCACCCC
CATCTATGTGGGCATCGTTTTCCTGGGCTTCACCCCCAACCACCACTGCCGGAGTCCTGGAGTGGCCGAG
CTGAGCCAGCGGTGTGGCTGGAGCCCAGCAGAGGAGCTGAACTACACCGTGCCGGGCCTGGGGTCTGCGG
GTGAGGTCTCCTTCCTCAGCCAGTGCATGAGGTATGAGGTGGACTGGAACCAGAGCACCCTTGACTGTGT
GGACCCACTGTCCAGCCTGGCTGCCAACAGGAGCCACTTGCCACTGAGCCCCTGCGAGCATGGCTGGGTG
TACGACACTCCCGGCTCCTCCATCGTCACTGAGTTTAACCTAGTGTGTGCTCACTCCTGGATGCTGGACC
TGTTTCAGTCATTAGTGAACGTGGGGTTTTTCATCGGTGCTGTGGGCATTGGTTACCTAGCAGACAGGTT
TGGGCGGAAGTTCTGCCTCTTGGTCACCATCCTCATCAATGCTATCTCTGGGGTTCTCATGGCGATTTCA
CCCAACTATGCCTGGATGTTGGTGTTTCGATTTCTACAGGGACTGGTCAGCAAAGCGGGCTGGTTAATTG
GCTATATCCTGATTACAGAATTTGTTGGGCTGGGCTATCGCAGAACAGTAGGGATTTGTTACCAAATCGC
CTTTACTGTTGGGCTCCTGATCCTGGCTGGAGTGGCCTATGCCCTTCCCAACTGGAGGTGGCTGCAATTT
GCCGTGACTCTGCCCAACTTCTGCTTCCTGCTCTATTTCTGGTGCATACCGGAGTCTCCAAGATGGTTGA
TCTCCCAGAACAAAAATGCAAAAGCCATGAAAATCATTAAGCATATTGCTAAGAAAAATGGAAAATCGGT
GCCAGTCTCTCTTCAGAGCCTGACGGCAGATGAGGATACTGGCATGAAATTGAACCCTTCGTTCCTGGAC
TTGGTCAGAACCCCTCAGATAAGGAAACATACGTTGATCTTGATGTACAATTGGTTCACGAGCTCTGTTC
TCTACCAGGGCCTCATCATGCACATGGGCCTCGCAGGGGACAACATCTACTTGGATTTCTTCTACTCTGC
CCTGGTGGAATTCCCAGCTGCCTTCATCATCATTCTCACCATAGACCGGATTGGTCGCCGCTATCCCTGG
GCTGTGTCAAATATGGTGGCAGGAGCAGCCTGCCTAGCTTCGGTTTTTATCCCTGATGATCTACAGTGGC
TGAAAATTACCGTGGCGTGCTTGGGTAGAATGGGCATCACCATAGCCTACGAAATGGTCTGCCTGGTCAA
CGCTGAGCTGTACCCCACATACATCAGGAATCTTGCTGTCCTTGTCTGCTCCTCTATGTGTGACATTGGT
GGCATCGTCACACCTTTCCTGGTCTACCGTCTCACTGACATCTGGCTGGAGTTCCCGCTGGTCGTATTTG
CTGTGGTTGGCCTTGTTGCTGGGGGACTTGTGCTATTGCTACCTGAGACCAAAGGGAAGGCTCTGCCTGA
GACCATCGAGGATGCTGAGAAGATGCAGAGGCCAAGAAAAAAGAAAGAAAAGAGAATTTACCTCCAAGTT
AAGAAAGCAGAACTAAGCTAAAGAGAAAGAGCATCATTGCTGCTGGAGATGACTTTGCTCTCTCTGAGAC
CAGAGGCAGAGCTTCTCTTCCCCTCCCGCGAAAGCCACACAACCCAACCTCACTTACCCCTGAATTCCTG
AACTCCATCAGCAGTGAGCTGTCGCCCGCCCAGTTTGTTGCACTGATGTGTCCAGCTCTTCCTCTCAACC
AGGACCTCACTCCACCTCACTCCACTCTCAACAGTCCTGGGGAATGCCCATTGCTTTGCTGGATTTGTTG
GGGTTTTTTTCATCTGTACATTTCTTTACTTGGTTTCTTTCTCCAAGCATGACATCAAACCAAAATATAC
AAGGGAGCTGTGGGTCAGGACAACTAACTATTAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_013667

Insert Size: 1662 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:	BC069911, AAH69911
RefSeq Size:	2081 bp
RefSeq ORF:	1662 bp
Locus ID:	20518
UniProt ID:	O70577
Cytogenetics:	17 8.61 cM
Gene Summary:	Mediates tubular uptake of organic compounds from circulation. Mediates the influx of agmatine, dopamine, noradrenaline (norepinephrine), serotonin, choline, famotidine, ranitidine, histamine, creatinine, amantadine, memantine, acriflavine, 4-[4-(dimethylamino)-styryl]-N-methylpyridinium ASP, amiloride, metformin, N-1-methylnicotinamide (NMN), tetraethylammonium (TEA), 1-methyl-4-phenylpyridinium (MPP), cimetidine, cisplatin and oxaliplatin. Cisplatin may develop a nephrotoxic action. Transport of creatinine is inhibited by fluoroquinolones such as DX-619 and LVFX. This transporter is a major determinant of the anticancer activity of oxaliplatin and may contribute to antitumor specificity (By similarity). [UniProtKB/Swiss-Prot Function]