

Product datasheet for MR206388

Slc16a10 (BC052877) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc16a10 (BC052877) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc16a10
Synonyms:	TAT1, PRO0813, 9830169E08
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206388 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTTCAAGACAGCGTGGGTGGGCTCGCTGTCCATGGGCATGATCTTCTTCTGCTGCCCATCGTGA
GTGTCTTACGGACATGTTGGCTGCCGAGAACAGCTGTTGTGGGGCAGCTGTGGATTCACTGGACT
CATGTCCAGTTCTTTTGAAGCTCCATCGAGCCTCTGTACCTCACCTATGGAATCATATTTGCTCGGC
TGCTCCTTTGCCTACCAGCCGCTACTGGTCATTTGGGACACTACTTCAAGAAGCGCCTTGACTAGTCA
ACGGCATCGTCACGGCCGCGCAGCAGCTTTCACAATCCTGCTCCCTTTGCTGTTAGGAAATCTAATCAG
CAGTGTGAAGCTCTTAAACAGCTGCGGATCCTCTGCATCTTCATGTTTGTCTCTTTCTGGCTGGCTTT
ACCTACCGACCTCTTGTTCCAGCACCAAGAGAAAGAGAGTGGGGCAGCAGAAGCTCATTCTTCTCCA
GGAGAAAGCTTAGTCTCCAAAAAAGTCTTAACTTTGCCCTCTTCAAGGAGACAACCTATGCAGTGTG
GGCTGTGGGATACCACTTGCACTTTTTGGCTACTTTGTGCCTTACGTTCACTTGATGAACCATGTAAG
GAAAGTTTCAAGATGTAACAACAAAGAGGTGCTTTCATGTGCATTGGCATCACTTCAGGAGTTGGAC
GGCTTCTCTTTGGCCGATTGCTGACTATTTGCCCGGTGTGAAGAAGGTCTACCTCCAGGTTCTCTCCT
CTTCTTCACTGGCTGATGTCATGATGATTCCCCTGTGCAGCGCCTTCGGAGCCCTCATTGCTGTCTGC
CTTGCCATGGGTCTCTTCGATGGATGCTTCAATTTCTATCATGGGCCCATTTGCCCTTGAAGTGTGGT
CTCAGGATGCTTCCAAGCAATTGGATTCTACTTGGATTGATGTCGATACCCATGACTGTAGGCCCTCC
TATTGCAGGGTTACTTCATGACGAGCTGGGCACCTACGACGTGGCCTTTTACCTTGCTGGAATCCCTCCC
TTCGTTGGGGTGTGTGCTCTGTTAATCCCCTGGATCCATAGCAAGAAGCAAAGAAAGATCAGTAAGA
ACGCCGAGGGGAGAAGATGGAGAAAAATGCTGGAGAACCAGAGCTCTCTACTGTCAGGCTCATCAGGAAT
CTTCAAAAAGACTCCGCTCGATTATT

ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206388 protein sequence
Red=Cloning site Green=Tags(s)

MAFKTAWVGSLSMGMIFFCCPIVSVFTDMFGCRRTAVVGAAVGFIGLMSSSFVSSIEPLYLTYGIIFACG
 CSFAYQPSLVILGHYFKRRLGLVNGIVTAGSSVFTILLPLLLGNLISSVKLFNTRLILCFMFVFLAGF
 TYRPLVPSTKEKESGGSRSSFFSRRKLSPKPVFNFAFKETTYAVWAAGIPLALFGYFVPYVHLMNHVK
 ERFQDVNNKEVLFMCIGITSGVGRLLFGRIADYLPGVKKVYLQVLSFFFIGLMSMMIPLCSAFGALIAVC
 LAMGLFDGCFISIMAPIAFELVGPQDASQAIGFLLGFMSIPMTVGPPIAGLLHDELGTVDYAFYLAGIPP
 FVGGVVLCLIPWIHSHKQQRKISKNAGGEKMEKMLENQSSLLSGSSGIFKKDSASII

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC052877

ORF Size: 1218 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [BC052877](#), [AAH52877](#)

RefSeq Size: 1454 bp

RefSeq ORF: 1220 bp

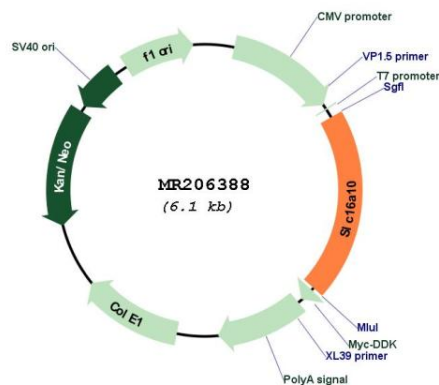
Locus ID: 72472

Cytogenetics: 10 B1

MW: 44.2 kDa

Gene Summary: Sodium-independent transporter that mediates the uptake of aromatic acids. Can function as a net efflux pathway for aromatic amino acids in the basolateral epithelial cells. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206388