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Product datasheet for MC228795

Slc6a15 (NM_001252330) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a15 (NM_001252330) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc6a15
Synonyms:	AA536730; AI326450; AI326451; v7-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC228795 representing NM_001252330
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTAAGAATAGCAAAGTGGTAAAGAGAGATTTGGATGATGATGTCATTGAATCTGTCAAAGACCTCC
TGTCCAACGAAGACTCAGTGGAAGAGGTTTCTAAGAAGAGTGAACTAATTGTCGATGTTCAGGAAGAGAA
AGATACAGATGCTGAAGATGGATCTGAAGCTGATGATGAAAGGCCAGCCTGGAACAGTAAGCTGCAATAC
ATTCTGGCCCAAGTTGGATTTTCTGTAGGTCTGGGGAATGTGTGGCGGTTCCCATACCTCTGCCAAAAGA
ATGGTGGTGGTGCATATCTTTTGCCGTATTTAATACTACTTCTGGTGATAGGAATTCCACTCTTTTTCCT
GGAACTTTCTGTGGGTCAAAGAATTCGAAGAGGCAGCATTGGGGTTTGGAATTACATAAGCCCTAAATTG
GGTGGGATTGGCTTCGCAAGCTGTGTAGTGTGCTATTTTGTGGCTCTCTACTACAATGTCATCATTGGCT
GGACATTATTTTACTTTTCTCAGTCTTTTCAACAACCTCTTCCTTGGGATCAATGCCCCCTGGTGAAAAA
CGCATCTCATACTTATGTTGAGCCAGAATGTGAACAAAGTTCTGCCACCACCTATTACTGGTACCGGGAA
GCACTGGATATCACCAGCTCCATCTCTGACAGTGGAGGCTTAAACTGGAAGATGACGGTCTGCCTTCTGG
TTGCCTGGGTCATGGTTTGTCTGGCCATGATCAAAGGCATTCAGTCCTCTGGAAAAATCATGTATTTCAG
TTCTCTGTTCCCCTACGTGGTCCTTATATGTTTCCTAATAAGATCTCTCCTTTTAAATGGTTCAATTGAT
GGCATCCGACACATGTTCACTCCTAAGCTGGAAATGATGTTGGAGCCCAAGGTTTGGAGAGAGGCAGCAA
CTCAGGTGTTCTTTGCATTGGGTTTGGGATTTGGTGGAGTCATCGCGTTTTCAAGTTATAACAAGAGAGA
CAACAACTGCCACTTCGATGCTGTCCTAGTGTCTTTCATCAACTTTTTCACTTCAGTTCTGGCAACACTG
GTGGTGTTTGCAGTTCTGGGGTTCAAAGCCAATATCGTAAATGAAAAATGCATTTCACAAAACTCCGAGA
TGATCTTGAAACTTTTGAAAATGGGAAACATTAGTTGGGATGTCATTCCCCATCACATCAACCTCTCAGC
TGTCACTGTGGAAGATTATCGTTTAGTTTACGACATCATTCAAAAAGTGAAGGAGGAGGAGTTTGCTGTT
CTTCATCTCAACGCCTGTCAAATTGAGGATGAGCTAAATAAAGCTGTGCAGGGCACTGGCTTGGCTTTCA
TTGCCTTTACAGAGGCCATGACACATTTCCCTGCATCTCCTTTCTGGTCAGTGATGTTTTTCCTCATGTT
GATAAATCTCGGCCTCGGCAGCATGTTTGGAACAATTGAAGGGATCATCACTCCTATTGTGGATACCTTC
AAAGTGAGGAAGGAAATACTCACTGTTATCTGTTGCCTCCTGGCATTTTGTATTGGCTTGATATTCGTGC
AGCGCTCTGGAAATTACTTCGTGACAATGTTTGACGATTATTCTGCTACATTGCCTCTGCTAATTGTGGT
CATCTTGGAGAATATTGCCGTGAGCTTTGTTTATGGCATAGATAAGTTTATAGAAGACCTCACAGACATG
TTAGGATTTGCTCCAAGCAAATATTACTATTATATGTGGAAATACATTTCTCCTCTAATGCTACTAACGT
TGCTAATAGCTAGCATTGTGAATATGGGATTAAGTCCTCCCGGATATAATGCATGGATCAAGGAGAAGGC
ATCGGAAGAATTTCTGAGCTACCCGATGTGGGGGATGGTCGTCTGTTTCTCTCTGATGGTGCTGGCCATA
CTTCCTGTCCCAGTGGTGTTCATCATTCGTCGCTGCAACCTCATAGATGATAGTTCTGGTAACTTGGCCT
CCGTGACCTATAAGAGAGGAAGAGTCCTGAAGGAACCTGTGAACTTGGAAGGAGATGACGCAAGCCTCAT
TCATGGAAAGATACCGAGTGAAATGTCATCTCCAAATTTTGGTAAAAATATTTATCGAAAACAAAGTGGT
TCCCCAACACTGGATACTGCTCCCAATGGACGCTATGGGATTGGGTATTTGATGGCAGACATGCCAGATA
TGCCAGAGTCTGACTTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001252330

Insert Size: 2190 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).

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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001252330.1, NP_001239259.1
RefSeq Size:	3563 bp
RefSeq ORF:	2190 bp
Locus ID:	103098
UniProt ID:	Q8BG16
Cytogenetics:	10 D1
Gene Summary:	Functions as a sodium-dependent neutral amino acid transporter. Exhibits preference for methionine and for the branched-chain amino acids, particularly leucine, valine and isoleucine. Mediates the saturable, pH-sensitive and electrogenic cotransport of proline and sodium ions with a stoichiometry of 1:1. May have a role as transporter for neurotransmitter precursors into neurons. In contrast to other members of the neurotransmitter transporter family, does not appear to be chloride-dependent (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (b) differs in the 5' UTR, compared to variant c. Variants a, b and c encode the same protein.

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