

Product datasheet for MC203513

Slc6a15 (NM_175328) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a15 (NM_175328) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc6a15
Synonyms:	AA536730; AI326450; AI326451; v7-3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC076593

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CACTCCTATTGTGGATACCTTCAAAGTGAGGAAGGAAATACTCACTGTTATCTGTTGCCTCCTGGCATT
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 TTTTCATATGTTTCTGTTTTGCTTCAATTTATGCAAATACAAATCTTTTTTAAAGTATTGTTAAAAGTGT
 ATGGCATTACATTTTAACTACAATAAACGAAGTTTAAAGAAAAA AAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAA

- Restriction Sites:** Ascl-NotI
- ACCN:** NM_175328
- 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).
- 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:** [BC076593](#), [AAH76593](#)
- RefSeq Size:** 3583 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 (a) differs in the 5' UTR, compared to variant c. Variants a, b and c encode the same protein.