

Product datasheet for MR227334

Slc12a2 (NM_009194) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc12a2 (NM_009194) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Slc12a2
Synonyms: 9330166H04Rik; mBSC2; Nkcc1; sy-ns
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR227334 representing NM_009194
 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >MR227334 representing NM_009194
 Red=Cloning site Green=Tags(s)

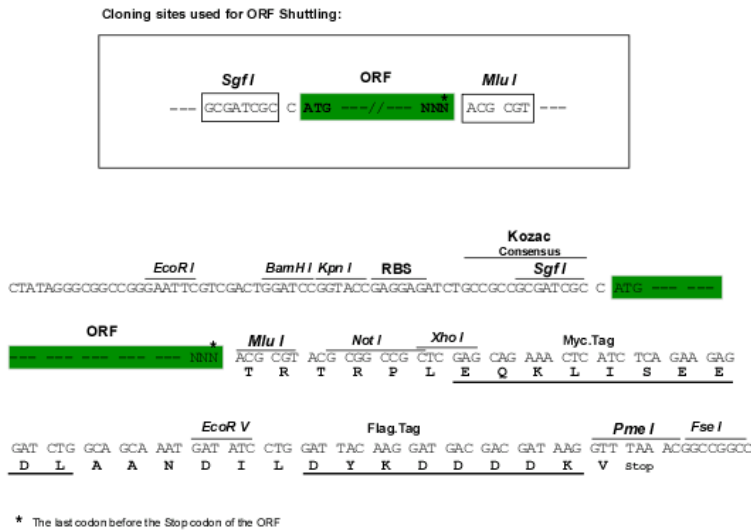
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Chromatograms: https://cdn.origene.com/chromatograms/mm9001_g06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

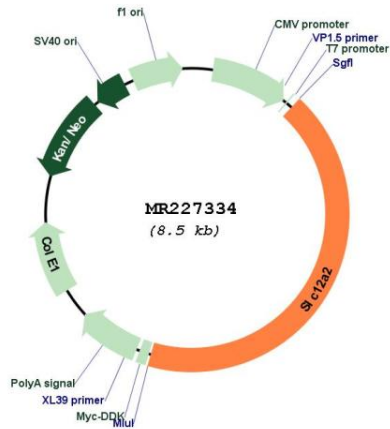


ACCN: NM_009194

ORF Size: 3618 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:	<ol style="list-style-type: none"> 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_009194.3 , NP_033220.2
RefSeq Size:	6520 bp
RefSeq ORF:	3621 bp
Locus ID:	20496
UniProt ID:	P55012
Cytogenetics:	18 32.15 cM
MW:	131.1 kDa
Gene Summary:	Electrically silent transporter system. Mediates sodium and chloride reabsorption. Plays a vital role in the regulation of ionic balance and cell volume.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227334