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CN: techsupport@origene.cn

Product datasheet for MR226241

Slc12a6 (NM_133648) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc12a6 (NM_133648) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc12a6
Synonyms:	9530023I19Rik; gaxp; KCC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR226241 representing NM_133648
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGCACTTCACTGTGACCAAGGTAGAAGACCCAGAGGAGGGGGCAGCTGGCCCCCTCTCTCCTGAGC
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TGGGACCATCCTTGCCATCCTGACCACATCCTTTGTGTATTTAAGCAATGTTGTCCTTTTTGGTGCATGT

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ATTGAAGGAGTCGTTCTCAGAGACAAATTTGGGGATGCTGTAAAAGGGAATTTGGTTGTAGGCACCTTAT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>MR226241 representing NM_133648
Red=Cloning site Green=Tags(s)

MPHFTVTKVEDPEEGAAGPLSPEPSSAEVKARIQDPQEPDPSQNSITGEHSQLLDDGHKKARNAYLNNSN
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YLPCLQNIFGVILFLRLTWVVGTAGILQAFAIVLICCCCTMLTAISMSAIATNGVVPAGGSYFMISRALG
PEFGGAVGLCFYLGTTFAAAMYILGAIEIFLVYIVPRAAIFRSDDALKESAAMLNNMRVYGTAFLVLMVL
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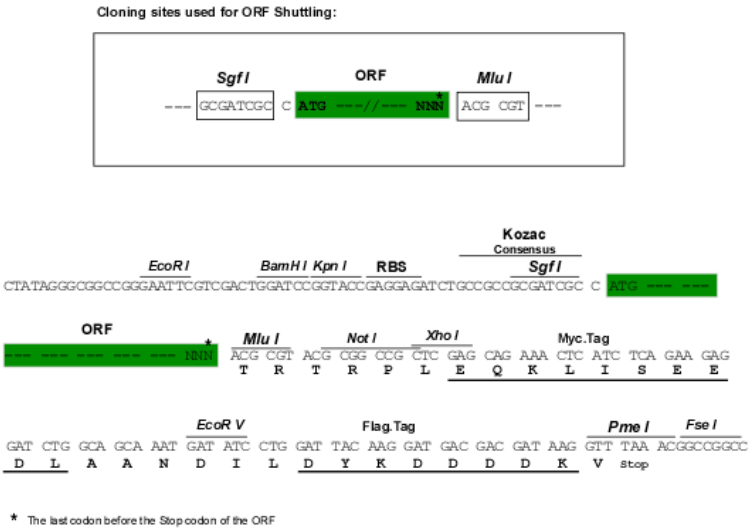
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9030_h05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133648

ORF Size: 3297 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: NM_133648.2, NP_598409.2

RefSeq Size: 5970 bp

RefSeq ORF: 3300 bp

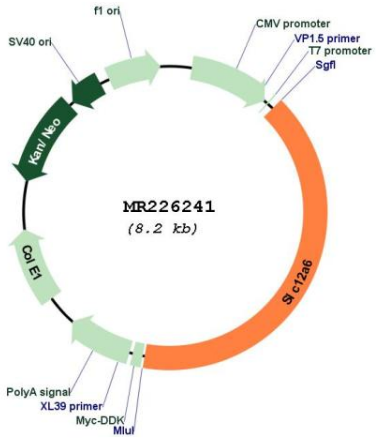
Locus ID: 107723

Cytogenetics: 2 E3

MW: 122.5 kDa

Gene Summary: Mediates electroneutral potassium-chloride cotransport. May be activated by cell swelling. May contribute to cell volume homeostasis in single cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226241