

Product datasheet for **RR212126**

Slc5a12 (NM_001108588) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc5a12 (NM_001108588) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc5a12
Synonyms:	RGD1311652
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RR212126 representing NM_001108588
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCTGTGAAGAGCTTTGAAGCGTGGGATTATGTTGTGTTTGACGCCCTCTTTGTCATTTCTCTGGAA
 TTGGCGTGTCTTTGCCATAAAGGAAAGAAAAAGACAACATCTCGGGAGTTCTTAGTAGGGGAAAGGCA
 AATGAGCTTTGCCCTGTAGCTTTGTCTTTAACAGCCAGCTTTATGTGCGCTGTCACTGTCTGGGACG
 CCTGCTGAAGTCTACCGGTTTGGGCGATCCTTCTCATCTTCTCATTTTCATATGCATTTGTGGTCTTCT
 TCACATCTGAGCTCTTTCTTCTGTGTTCTACAGATCTGGCATCACAAGCACCTATGAGTACTTACAGCT
 CCGATTCAATAAGCCAGTTCGCTATGCAGCAACCATTATCTACATCTGCAGACGATTCTCTACACGGGA
 GTCGTGGTCTATGCCCTGCTCTGGCTCTCAACCAAGTACCGGTTTTAATCTATGGGCCTCTGTGTTG
 CAACAGGAATCGTTGCACATTCTATTGAGTTTGGGAGGTTTAAAGCAGTGGTGTGGACAGATGCATT
 TCAGATGGTTGTCATGATTGTGGGTTTCTTAACAGTCTCATTCAAGGATCAAATCATGTTGGTGGCTTC
 GACAATGTATTAGAACAAGCACGAAATGGATCCCGTTAGACATTGTTGACTTTGATGTAGATCCTCTCA
 GACGGCATACTTTTTGGACAATTGCAGTGGGAGGAACTTTACTTGGCTTGAATCTATGGAGTGAACCA
 ATCAACCATCCAAAGATGCATCTTGTCAAAACAGAAAAGCATGTAAGCTTGCCTTGTACTTTAATTTG
 TTGGGTCTCTGGATAATTGTGGTGTGTGCCGTCTTCTGTGGCTTGATCATGTACGCCTACTACAAGGATT
 GTGACCCTTGGACTTCTGGTGCTATTTTGGCACCAGACAGCTGATGCCATATTTGTGATGGAGATTTT
 TGCAACTATGCCAGGGCTGCCAGGACTTTTGTGGCTTGTGCTTTAGTGAACCTCTGAGCACAGTGGCT
 GCCAGCATCAATGCCTTAGCAACAGTGACCTTTGAGGATTTGTCAAGAGCTGTTTTCCACATCTCTCGG
 ACACGCTGAGTACCTGGATCAGTAAAGGCTTATGTCTCCTTTTCGGTATTATTTGTAATCCATGGCCGT
 GCTTGATCCCTCATGGGAGTGTGTCCAGGCTGCCCTCAGTATCCATGGCATGTGTGGTGGACCGATG
 CTAGGTTTATTCACTTTGGGACTCGTGTTTCTTTGTAAGTGAAGGGTGTCTAGGCGGTCTTCTCA
 CTGGAATCACATTGTCTTCTGGGTGGCATTGGAGCTTTTGTACCCTGCACCAGACTCTAAGACGTT
 ACCTTTGCCTCTATCAACAGAATTTTGTGTCCAACAAAACAAAACAAACAGAAGCCTACCAGCTTTCC
 AGCAGGCTGTGTAGCTGACACTTGGTATTACTCTCTACCTTTACTTCAGTGCTGTGGGCTGCCTGG
 GATGTATAGCTGCTGGAATAATCATCAGCTTCTGACAGGCAGGCAAAGAGGCAAAGATGTTGACCCACT
 TTTAATAAGACCAGTTTCAACTATTTTGTCTTTTGGTCTAAGAAATACAAAACCTGTGTTGGTGTGGA
 GTTCGGCATGATCAGGAAACAGAGCAGGATTACCTTGACAGTGGCAGTGCCTGAAACAAAGAGTTGAAT
 CTGGCCTACAGAATGGACTCAAGCAAGACACCCTATCTCAGATTCGGCCTACAACCCCAAGACAAAAG
 CTACCCCAAAAGTGTGCAGGAGAAGACCACTTATTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

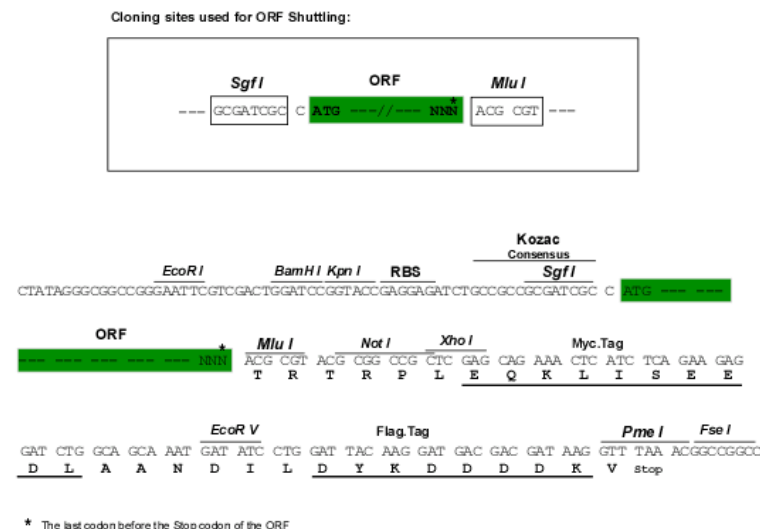
>RR212126 representing NM_001108588
 Red=Cloning site Green=Tags(s)

MAVKSFEAWDYVFAALFVISSGIGVFFAIKERKKTTSREFLVGGRQMSFAPVALSLTASFMSAVTVLGT
 PAEVYRFGASFLIFLISYAFVFFTSELFLPVFYRSGITSTYEYLQLRFNKPVRYAATIIYILQITLYTG
 VVVYAPALALNQVTGFNLWASVFATGIVCTFYCSLGGKAVVWTDQFMVVMIVGFLTVLIQGSNHVGGF
 DNVLEQARNGSRDLIVDFDPLRRHTFWTIAVGGTFTWLGIYGVNQSTIQRICISCKTEKHAKLALYFNL
 LGLWIIIVCAVFCGLIMYAYYKCDPWTSGAILAPDQLMPYFVMEIFATMPGLPLGFVACAFSGTLSTVA
 ASINALATVTFEDFVKSCFPHLSDTLSTWISKGLCLLFGIICTMAVLASLMGSVVQAALSIHGMCGGPM
 LGLFTLGLVFPFVNWKALGGLLTGITLSFWVGIGAFVYPAPDSKTLPLPLSTEFVQKNKTTTEAYQLS
 SRPVLADTWYLSYLFSYAVGCLGCAAGIIISFLTGRQRGKDVDPILLIRPVCNLFVWSKKYKTLWCWG
 VRHDQETEQDYLDGSAWKQGVESGLQNLKQDTLSQIPAYNPKDKSYPKSVQEKTTF

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 001108588

ORF Size: 1857 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 001108588.1, NP 001102058.1

RefSeq Size: 3980 bp

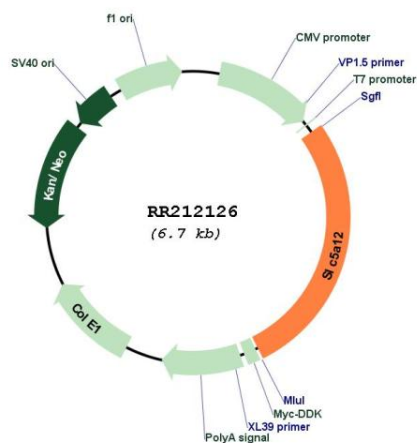
RefSeq ORF: 1860 bp

Locus ID: 362188

Cytogenetics: 3q34

MW: 68.1 kDa

Product images:



Circular map for RR212126