

Product datasheet for **MR217193**

Slc12a8 (NM_134251) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc12a8 (NM_134251) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc12a8
Synonyms:	CCC9; E330020C02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR217193 representing NM_134251
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCCAGAGGTCTCCGCAAGAACTCTCCACGAGGCAGCCAGCAGGGCATCCTGGCCCAGCCCAGC
 CCTGGTGAAGATCCAGCTGTTTCATGTGGGAGCCGGTGCCTGTTTGGGACCTGGGATGGTGTTCACATC
 CTGCATGATCAACATTTTTGGCGTTGCTCTTTCTTGAGGACCGCTGGCTGGTGGGAAACACAGGTGTG
 CTCCTGGGCTTGCTCCTGGTGTCTTCGTGCTCCTCGTGGCCCTCATCACCCTGCTGTGGGCATTGGTG
 TCGCAGAGCATGGCGGGATCAGCAGTGGCGGTGTCTACTCCATGATCTCCTCGGTGCTTGGTGGGCAGAT
 GGGAGGCACTGTGGGCTGCTCTATGTATTTGGACAGTGTGTTGCAGGTGCTATGTACATCACCGGCTTT
 GCGGAGTCCATCTCAGATCTGCTGGGACTTGGGGACATCTGGGCAGTGCCTGGAATTTTCAGTTGCTGTGC
 TTCTGGCTTTGCTGGGCATCAACCTGGCAGGTGTCAAGTGGATTATCCGCCTCCAGCTGCTGCTGCTGCT
 CCTGCTGGCTGTCTCGACCCTGGACTTTGTGGTGGGCTCTTTCACCCACCTGGACCCAGAACATGGCTTT
 ATGGGCTACTCCCAGAAGCTGCTACAGAGCAACATTCTGCCAGAGTACAGCCCGGGGAGTCATTCTTCA
 CTGTGTTTGGGGTGTCTTCCCTGCAGCTACAGGAGTCATGGCTGGCTTCAACATGGGAGGAGACCTGAG
 AGACCCTGCTGACAGTGTCCCCTTAGGCTCCCTAGCAGCTGTTGGCGTCTCGTGGTTTCTCTACATCATC
 TTTGCCTTCTGCTTGGTGGCGTCTGTACCCGAGAGGCCCTCCGCTCTGACTTCTGATAGCTGAAAAGG
 TGTCTCTGGTGGTTTCTCTTCTATTGGGCTGTACATCTCATCCCTGGCTTCTGTATGGGGGGACT
 CTATGGCGCACCCGGATCCTGCAGTGCATCGCCAGGACAAAGTCATCCCTGACTCGCCTTTCTGGCG
 AATGGGAAAGGGCAAATAAAACACCCGGTAGCAGCCATCTGCCTGACCAGCTTGGTGACCATGGCCTTTG
 TCCTGGTGGTCAAGTGAATGTTCTGGCGCCGTTGTCAACATCAATTTTCATGCTGACCTACATCATGTT
 GGACTACTTACTTTCGCCCTCTCCATGGCTCACTGTGGCTCGCCCATCTCCTGAGCCCGTCCCAGCA
 CAAGGCCAGATACTCTGCACTGCTCTGAGCACCTGCTCCAGGACAGGGCTCCCAGCTACGGCTCTGATG
 TCCCTGCCAGAAGCCTCTCTGAGGGCACCTGCTGGAGTTCACCAAGGACATGGATCAGTTCCTCCAGCC
 AATAGAGGAACTGGAGAGTCGTGAGCTTGGGTCAAGAGAAGGAAACAACCCAAAGAATCAGAAGCGCAAG
 GGTAAAGAAAGGGCCAAGCAAACCCTACAAGATAGCTTCTCTTGGACCCTGGGTCTCCTTTGCTCTTTC
 CTACGAGGACTTCTGAGAGTTGTCTGTTGCCTTCTGTGGGGAGCAAGAGTCTATCAGAAGCAGCAGAC
 TTCTAGGAGTGAATCACATGACCATCTTGTTCCTGATCTACGCAACCAGCCTAGAGTGAACAGAGAAGAT
 TTCTTTCTGAAATGCAGACTTCAAGAACAGAGATCCAGAGAAGACCAAGTGTTCATGCTTGCATGT
 GTAACCCCTGGGTCTCCCTGTTAGGGGCTCTTGATCCCTGCTCATCATGTTTGTGATCCAGTGGCTCTA
 TACCCTAGCTAGTATGGGTGTTGCTGCCCTTGTGTATTCTACATTGGCCAGGCAAGTCCAGGCCTTTAC
 CTCGGATCAGCATCAAATTCAGCTTTTTCCAATGGATGAAGTCTTCTTGGTCCCCTCCTGAGGAGCC
 TGAGGTCCGCCAGGAGCAAATCATCTTGGCGCCATCACCAGCCAAGGTTGACATGGCAATGACTCAGCT
 TACCCAGGACAATGCAGACTTCGCCACCCGAGATCGTTACCACCACTCTCTTCTGAGCCGGGAGCAG
 TTGATGCCTCCCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR217193 representing NM_134251
Red=Cloning site Green=Tags(s)

MAQRSPQELFHEAAQQGILAQPPWKKIQLFMWEPVLFGTWDGVFTSCMINIFGVVFLRTGWLVGNTGV
 LLGLLLVSFVVLVALITVLSGIGVAEHGGISSGGVYSMISVVLGGQMGTVGLLYVFGQCVAGAMYITGF
 AESISDLLGLGDIWAVRGISVAVLLALLGINLAGVKWIIRLQLLLLLLLAVSTLDFVVGSTHLDPEHGF
 IGYSPELLQSNILPEYSPGESFFTVFGVFPAATGVMAGFNMGGDLRDPADSVPLGSLAAVGVSWFLYII
 FAFLLGAVCTREALRSDFLIAEKVSLVGFLFLLGLYISSLASCMMGLYGAPRILQCIAQDKVIPALAFLA
 NGKGPNTKPVAAICTSLVTMAFVLVGQVNVLPVVTINFMLTYIMVDYSYFALSMAHCGLAPSPEPVPR
 QGPDTLHCSEHLLQDRAPSYGSDVPARSLSEGTLLEFTKMDQFLQPIEELESRQLGSREGNNPKNQKRK
 GKKGAKQTLQDSFLLDPGSPLSFPTRTSERLSVAFCEQESYQKQTSRSESHDHLVPDLRNQPRVNRD
 FFLKCRLEQEIQRRPSVFYACMCNPWSLLGALASLLIMFVIQWLYTLASMGVAALVYFYIGQASPLY
 LGSASNFSFFQWMKSFLVPSRSLRSAQEIQIILAPSPAKVDMAMTQLTQDNADFATRDRYHSSFLSREQ
 LMPPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9004_f01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_134251

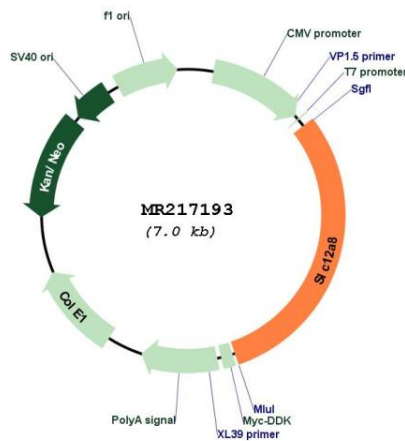
ORF Size: 2115 bp

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_134251.3](#)
- RefSeq Size:** 3166 bp
- RefSeq ORF:** 2118 bp
- Locus ID:** 171286
- UniProt ID:** [Q8VI23](#)
- Cytogenetics:** 16 B3
- MW:** 77.5 kDa
- Gene Summary:** Cation/chloride cotransporter that may play a role in the control of keratinocyte proliferation. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217193