

Product datasheet for **MG209541**

Slc12a8 (BC030926) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Slc12a8 (BC030926) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Slc12a8 |
| Synonyms: | CCC9; E330020C02Rik |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG209541 representing BC030926
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGGGAGCCGGTGTCTTTGGGACCTGGGATGGTGTGTTACATCCTGCATGATCAACATTTTTGGCG
 TTGTCCTTTTCTTGAGGACCGGCTGGCTGGTGGGAAACACAGGTGTGCTCCTGGGCTTGCTCCTGGTGTG
 CTTTCGTCGTCCTCGTGGCCCTCATCACCGTGTGTCGGGATTGGTGTGCGAGAGCATGGCGGGATCAGC
 AGTGGCGGTGTCTACTCCATGATCTCCTCGGTGCTTGGTGGGAGATGGGAGGCACTGTGGGGCTGCTCT
 ATGATTTGGACAGTGTGTTGCAGGTGCTATGTACATCACCGGCTTTGCGGAGTCCATCTCAGATCTGCT
 GGGACTTGGGACATCTGGGAGTGCCTGGAATTCAGTTGCTGTGCTTCTGGCTTTGCTGGGCATCAAC
 CTGGCAGGTGTCAAGTGGATTATCCGCCTCCAGCTGCTGCTGCTCCTGCTGGCTGTCTCGACCTGG
 ACTTTGGTGGGCTCTTCCACCCTGGACCCAGAACATGGCTTTATTGGCTACTCCCAGAAGTCTGCT
 ACAGAGCAACATTCTGCCAGAGTACAGCCCGGGAGTCACTTCTCACTGTGTTGGGGTGTCTCCCT
 GCAGCTACAGGAGTATGGCTGGCTTCAACATGGGAGGAGACCTGAGAGACCCTGCTGACAGTGTCCCT
 TAGGCTCCCTAGCAGCTGTTGGCGTCTCGTGGTTTCTCTACATCATCTTTGCCTTCTGCTTGGTGGCGT
 CTGTACCCGAGAGGCCCTCCGCTCTGACTTCTGATAGCTGAAAAGAAAGGGCCAAATAAACACCGGTA
 GCAGCCATCTGCCTGACCAGCTTGGTGACCATGGCCTTTGTCCTGGTGGGTGAGGTGAATGTTCTGGCGC
 CCGTTGTACCATCAATTTATGCTGACCTACATCATGGTGGACTACTCTTACTTCGCCCTCTCCATGGC
 TCACTGTGGCTCGCCCCATCTCCTGAGCCCGTCCCAGACAAGGCCAGATACTCTGCACTGCTCTGAG
 CACCTGCTCCAGGACAGGGCTCCCAGCTACGGCTCTGATGTCCCTGCCAGAAGCCTCTGAGGGCACCC
 TGCTGGAGTTCACCAAGGACATGGATCAGTTCTCCAGCCAATAGAGGAACTGGAGAGTCTGAGTCTGG
 GTCAAGAGAAGGAAACAACCCAAAGAATCAGAAGCGCAAGGGTAAGAAAGGCGCCAAGCAAACCTACAA
 GATAGTTCCTCTTGACCCTGGGTCTCCTTTGCTTCTACGAGGACTTCTGAGAGGTTGTCTGTTG
 CCTTCTGTGGGAGCAAGAGTCTATCAGAAGCAGCAGACTTCTAGGAGTGAATCACATGACCATCTTGT
 TCCTGATCTACGCAACCAGCCTAGAGTGAACAGAGAAGATTTCTTCTGAAATGCAGACTTCAGGAACAA
 GAGATCCAGAGAAGACCAAGTGTCTTCTATGCTTGCATGTGTAACCCCTGGGTCTCCCTGTTAGGGGCTC
 TTGCATCCCTGCTCATCATGTTTGTGATCCAGTGGCTCTATACCCTAGCTAGTATGGGTGTTGCTGCCCT
 TGTGATTTCTACATTGGCCAGGCAAGTCCAGGCTTTACCTCGGATCAGCATCAAACCTCAGCTTTTTTC
 CAATGGATGAAGTCTTCTTGGTCCCCTCTGCAGGAGCCTGAGGTCCGCCAGGAGCAAATCATCTTGG
 CGCCATACCAGCAAGGTTGACATGGCAATGACTCAGCTTACCCAGGACAATGCAGACTTCGCCACCCG
 AGATCGTTACCACCCTCTCCTTCTGAGCCGGGAGCAGTTGATGCCTCCCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209541 representing BC030926
 Red=Cloning site Green=Tags(s)

MWEPVLFGTWDGVFTSCMINIFGVVFLRTGWLVGNTGVLLGLLLVSFVVLVALITVLSGIGVAEHGGIS
 SGGVYSMISSVLGGQMGTVGLLYVFGQCVAGAMYITGFAESISDLLGLGDIWAVRGISVAVLLALLGIN
 LAGVKWIIRLQLLLLLLAVSTLDFVVGSTHLDPEHGFIGYSPELLQSNILPEYSPGESFFTVFGVFFP
 AATGVMAGFNMGGDLRDPADSVPLGSLAAGVSWFLYIIFAFLLGAVCTREALRSDFLIAEKKGNKTPV
 AAICLTSLVMTAFVLVGQVNVLPVVTINFMLTYIMVDYSYFALSMAHCLAPSPEPVPRQGPDTLHCSE
 HLLQDRAPSYGSDVPARSLSEGTLLEFTKMDQFLQPIEELSRQLGSREGNNPKNQKRKGGKQTLQ
 DSFLLDPGSPLSFPTRTSERLSVAFCEQESYQKQTSRSESHDHLVPDLRNQPRVNREDFLKRQLQE
 EQRRPSVYACMCNPWVSLGALASLLIMFVIQWLYTLASMGVAALVYFYIGQASPGLYLGASNFSFF
 QWMKSFLVPSRSLRSAQEIQIILAPSPAKVDMAMTQLTQDNADFATRDRYHSSFLSREQLMPPY

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC030926

ORF Size: 1877 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: [BC030926](#), [AAH30926](#)

RefSeq Size: 2337 bp

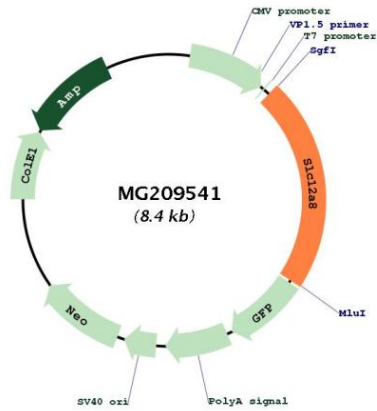
RefSeq ORF: 1877 bp

Locus ID: 171286

Cytogenetics: 16 B3

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 MG209541