

## Product datasheet for **RC204533**

### **SLC30A9 (NM\_006345) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                            |
|---------------------------|--------------------------------------------|
| Product Type:             | Expression Plasmids                        |
| Product Name:             | SLC30A9 (NM_006345) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                    |
| Symbol:                   | SLC30A9                                    |
| Synonyms:                 | BILAPES; C4orf1; GAC63; HUEL; ZNT9         |
| Mammalian Cell Selection: | Neomycin                                   |
| Vector:                   | pCMV6-Entry (PS100001)                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                       |



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**ORF Nucleotide Sequence:**

>RC204533 representing NM\_006345  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**C

ATGTTACCCGGCTTGGCCGCCGCCGCCACAGATGTAGCTGGTCCTCCCTGTGCCGGCTCCGTCCTGC  
 GATGCAGGGCGCGGCCTGTAATCCAGCGACCGCCAGGAGTGGCAGAATTTAGTGACATTTGGAAGCTT  
 TTCAAACATGGTTCCTGTAGTCATCCATATATTGGTACCCTGAGTCAAGTAAAGTTGTACTCCACAAAT  
 GTTCAGAAAGAAGGACAGGGATCACAACACTCAGAGTGAAAAAGTACCATCATTTGAAACAGCAGAAG  
 GTATAGGCACAGAACTCAAAGCTCCACTTAAGCAAGAACCTCTCCAAGTAAAGTAAAGCAGTCCTTAA  
 GAAAAGGGAGTATGGCTCAAAGTACACTCAGAATAATTTCACTACTGGAGTCAGAGCGATAAATGAGTTC  
 TGCCTCAAATCCAGTGATCTAGAACAACTCGAAAAATCAGACGACGAAGTCCCATGAAGATACTGAGT  
 CTTTTACTGTATACTTGAGATCAGATGTGAAGCAAAATCTTTGGAAGTTTGGGAAGCCCTGAAGCTCT  
 TGCCAGAGAGAAAAAATTGCGTAAGGAAGCAGAAATAGAATACAGAGAAAGGCTATTTAGAAACCAAAAA  
 ATATTAAGAGAATACAGAGATTTCTTGGGAAATACCAAGCCACGCTCCAGAACAGCATCAGTGTTTTTTA  
 AGGGACCAGGAAAAGTGGTGATGGTTGCAATTTGCATCAATGGATTAAACTGCTTCTTTAAATTTCTTGC  
 CTGGATTATACCGTTTACAGCAAGTATGTTCTCAGAAGCTATACACTCATTATCTGATACTTGTAAATCAG  
 GGTTTACTAGCATTGGGCATCAGTAAGTCTGTTCAAACACCAGATCCTTCTCATCCGTACGGATTTTCAA  
 ATATGCGCTATATTTCTTCGCTAATTAGTGGTGTGGTATTTTCATGATGGGTGCAGGACTATCTTGGTA  
 CCATGGAGTCATGGGATTGCTTCATCCTCAACCAATAGAATCCCTTCTATGGGCATATTGTATTTAGCA  
 GGATCATTAGTATCTGAAGGAGCAACACTTCTTGTGCTGTAATGAACCTTCGTAGGAATGCTCGGGCTA  
 AAGGAATGTCAATTTACAAGTATGTAATGGAAAGTCGTGATCCTAGTACAAATGTGATATTATTGGAGGA  
 TACTGCTGCAGTCTTGGGAGTTATAATAGCAGCCACTTGTCATGGGCCTTACTTCTATAACAGGCAATCCA  
 CTGTATGACAGCCTAGGTTCTTTGGGTGTGGGCACCTTATTAGGCATGGTCTCAGCATTCTCATCTACA  
 CTAACACAGAAGCACTCTTAGGGCGGTCCATCCAGCCAGAAACAAGTACAACGGCTCACTGAACCTCTGGA  
 GAATGACCCATCAGTAAGGGCAATTCATGATGTTAAAGCCACAGATCTGGGATTAGGTAAAGTAAGATTT  
 AAGGCAGAAGTAGATTTTATGGGCGAGTTGTTACAAGATCATATTTGGAAAAACAAGATTTTGACCAAA  
 TGTTACAAGAAATCAAGAAGTAAAACTCCTGAAGAACTAGAGACCTTTATGCTTAAACATGGAGAAAA  
 TATTATTGATACTTTAGGAGCTGAAGTAGATAGACTTGAGAAGGAAGTAAAAAACGAAATCCTGAAGTT  
 CGACATGTAGATTGGAGATACTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC204533 representing NM\_006345  
 Red=Cloning site Green=Tags(s)

MLPGLAAAAAHRCSSSLCRLRLRCRAAACNPDRQEWQNLVTFGSFSNMVPCSHPIYIGTLSQVKLYSTN  
 VQKEGQGSQTLRVEKVPFETAEGIGTELKAPLKQEPLQVRVKAFLKKREYGSKYTQNNFITGVRAINEF  
 CLKSSDLEQLRKIRRRSPHEDTESFTVYLRSDVEAKSLEVWGSPEALAREKKLRKEAIEYRERLFRNQK  
 ILREYRDFLGNTKPRSRTASVFFKPGKVVMAICINGLNCFFKFLAWIYTGASMSFSEAIHSLSDTCNQ  
 GLLALGISKSVQTPDPSHPYGFNSMRYISSLSGVGIFMMGAGLSWYHGVMLLHPQPIESLLWAYCILA  
 GSLVSEGATLLVAVNELRRNARAKGMSFYKYVMESRDPSTNVILLEDTAAVLGVIIAATCMGLTSITGNP  
 LYDSLGLSLGVGTLLGMVSAFLIYNTTEALLGRSIQPEQVQRLTELENDPSVRAIHDVKATDLGLGKVRF  
 KAEVDFDGRVTRSYLEKQDFDQMLQEIQEVKTPEELETFMLKHGENIIDTLGAEVDRLEKELKKRNPEV  
 RHDLEIL

**TR**TRPLE**QKLISEEDLA**AND**ILDYKDDDDK**V

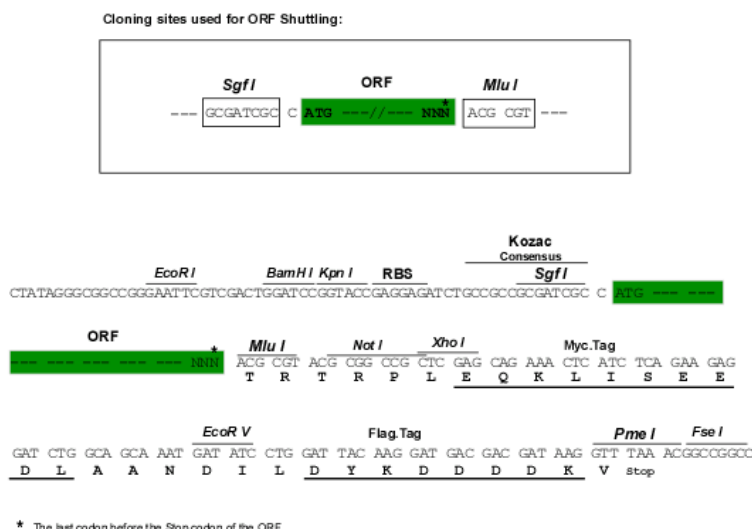
**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8112\\_g11.zip](https://cdn.origene.com/chromatograms/mk8112_g11.zip)

**Restriction Sites:**

Sgfl-MluI

## Cloning Scheme:



ACCN: NM\_006345

ORF Size: 1704 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

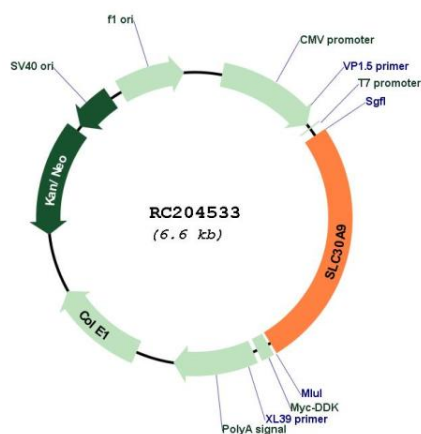
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.

|                          |                                                                                                                                                                                                                                                                                                                        |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Note:</b>             | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                               |
| <b>RefSeq:</b>           | <a href="#">NM_006345.4</a>                                                                                                                                                                                                                                                                                            |
| <b>RefSeq Size:</b>      | 3272 bp                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq ORF:</b>       | 1707 bp                                                                                                                                                                                                                                                                                                                |
| <b>Locus ID:</b>         | 10463                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>       | <a href="#">Q6PML9</a>                                                                                                                                                                                                                                                                                                 |
| <b>Cytogenetics:</b>     | 4p13                                                                                                                                                                                                                                                                                                                   |
| <b>Domains:</b>          | Cation_efflux                                                                                                                                                                                                                                                                                                          |
| <b>Protein Families:</b> | Transcription Factors, Transmembrane                                                                                                                                                                                                                                                                                   |
| <b>MW:</b>               | 63.3 kDa                                                                                                                                                                                                                                                                                                               |
| <b>Gene Summary:</b>     | Acts as a zinc transporter involved in intracellular zinc homeostasis (PubMed:28334855). Functions as a secondary coactivator for nuclear receptors by cooperating with p160 coactivators subtypes. Plays a role in transcriptional activation of Wnt-responsive genes (By similarity).[UniProtKB/Swiss-Prot Function] |

## Product images:



Circular map for RC204533