

Product datasheet for **RG204533**

SLC30A9 (NM_006345) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC30A9 (NM_006345) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC30A9
Synonyms:	BILAPES; C4orf1; GAC63; HUEL; ZNT9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG204533 representing NM_006345
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTTACCGGGCTTGGCCGCCGCGGCCACAGATGTAGCTGGTCTCCCTGTGCCGGCTCCGTCTGC
 GATGCAGGGCGCGGCCTGTAATCCAGCGACCGCCAGGAGTGGCAGAATTTAGTGACATTTGGAAGCTT
 TTCAAACGTGGTTCCTGTAGTCATCCATATATTGGTACCCTGAGTCAAGTAAAGTTGTACTCCACAAAT
 GTTCAGAAAGAAGGACAGGGATCACAACACTCAGAGTGAAAAAGTACCATCATTTGAAACAGCAGAAG
 GTATAGGCGCAGAACTCAAAGCTCCACTTAAGCAAGAACCTCTCCAAGTAAAGTAAAGCAGTCTTAA
 GAAAAGGGAGTATGGATCAAAGTACACTCAGAATAATTTCACTGAGTCAGAGCGATAAATGAGTTC
 TGCCTCAAATCCAGTGATCTAGAACAACCTCGAAAAATCAGACGACGAAGTCCCATGAAGATACTGAGT
 CTTTACTGTATACTTGAGATCAGATGTGAAGCAAAATCTTTGGAAGTTTGGGAAGCCCTGAAGCTCT
 TGCCAGAGAGAAAAAATTGCGTAAGGAAGCAGAAATAGAATACAGAGAAAGGCTATTTAGAAACAAAAA
 ATATTAAGAGAATACAGAGATTTCTTGGGAAATACCAAGCCACGCTCCAGAACAGCATCAGTGTITTTTA
 AGGGACCAGGAAAAGTGGTGATGGTTGCAATTTGCATCAATGGATTAAACTGCTTCTTTAAATTTCTTGC
 CTGGATTATACCGGTTACAGCAAGTATGTTCTCAGAAGCTATACACTCATTATCTGATACTTGTAATCAG
 GGTTTACTAGCATTGGGCATCAGTAAGTCTGTTCAAACACCAGATCCTTCTCATCCGTACGGATTTTCAA
 ATATGCGCTATATTTCTTCGCTAATTAGTGGTGTGGTATTTTCATGATGGGTGCAGGACTATCTTGGTA
 CCATGGAGTCATGGGATTGCTTCATCTCAACCAATAGAATCCCTTCTATGGGCATATTGTATTTAGCA
 GGATCATTAGTATCTGAAGGAGCAACACTTCTTGTGCTGTAATGAACCTTCGTAGGAATGCTCGGGCTA
 AAGGAATGTCATTTACAAGTATGTAATGGAAAGTCGTGATCCTAGTACAAATGTGATATTATTGGAGGA
 TACTGCTGCAGTCTTGGGAGTTATAATAGCAGCCACTTGATGGGCCTTACTTCTATAACAGGCAATCCA
 CTGTATGACAGCCTAGGTTCTTTGGGTGTGGGCACCTTATTAGGCATGGTCTCAGCATTCTCATCTACA
 CTAACACAGAAGCACTCTTAGGGCGGTCCATCCAGCCAGAACAAGTACAACGGCTCACTGAACCTCTGGA
 GAATGACCCATCAGTAAGGGCAATTCATGATGTTAAAGCCACAGATCTGGGATTAGGTAAAGTAAGATT
 AAGGCAGAAGTAGATTTTATGGGCGAGTTGTTACAAGATCATATTTGGAAAAACAAGATTTTGACCAA
 TGTTACAAGAAATCAAGAAGTAAAACTCCTGAAGAACTAGAGACCTTTATGCTTAAACATGGAGAAAA
 TATTATTGATACTTTAGGAGCTGAAGTAGATAGACTTGAGAAGGAAGTAAAAAACGAAATCCTGAAGTT
 CGACATGTAGATTGGAGATACTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG204533 representing NM_006345
 Red=Cloning site Green=Tags(s)

MLPGLAAAAAHRCSSSLCRLRLRCRAAACNPDRQEWQNLVTFGSFSNVVPCSHPYIGTLSQVKLYSTN
 VQKEGQGSQTLRVEKVPFETAEGIGAEKAPLKQEPLQVRVKAVLKKREYGSKYTQNNFITGVRAINEF
 CLKSSDLEQLRKIRRRSPHEDTESFTVYLRSDVEAKSLEWGSPEALAREKKLRKEAIEYRERLFRNQK
 ILREYRDFLGNTKPRSRTASVFFKPGKVVMAICINGLNCFFKFLAWIYTGASMSFSEAIHSLSDTCNQ
 GLLALGISKSVQTPDPSPHPYGFNSMRYISSLISGVGIFMMGAGLSWYHGMGLLHPQPIESLLWAYCILA
 GSLVSEGATLLVAVNELRRNARAKGMSFYKVMESRDPSTNVILLEDTAAVLGVIIAATCMGLTSITGNP
 LYDSLGLSLGVGTLLGMVSAFLIYNTNTEALLGRSIQPEQVQRLTELENDPSVRAIHDVKATDLGLGKVR
 KAEVDFDGRVTRSYLEKQDFDQMLQEIQEVKTPEELETFMLKHGENIIDTLGAEVDRLEKELKKRNPEV
 RHDLEIL

TRTRPLE – GFP Tag – V

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 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.

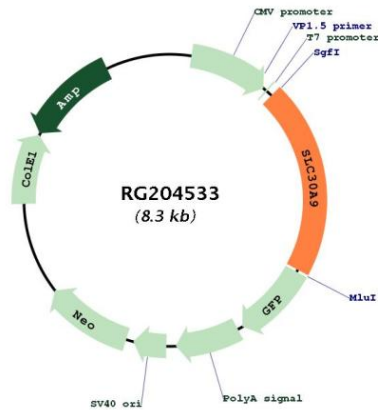
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.

RefSeq:	<u>NM_006345.2</u>
RefSeq Size:	3272 bp
RefSeq ORF:	1707 bp
Locus ID:	10463
UniProt ID:	<u>Q6PML9</u>
Cytogenetics:	4p13
Domains:	Cation_efflux
Protein Families:	Transcription Factors, Transmembrane
Gene Summary:	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 RG204533