

Product datasheet for **SC116134**

SLC30A9 (NM_006345) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC30A9 (NM_006345) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC30A9
Synonyms:	BILAPES; C4orf1; GAC63; HUEL; ZNT9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC116134 sequence for NM_006345 edited (data generated by NextGen Sequencing)

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ATGTTACCCGGCTTGGCCGCCGCCGCCGCCACAGATGTAGCTGGTCCCTCCCTGTGCCGG
CTCCGCTGCGATGCAGGGCGCGGCCCTGTAATCCCAGCGACGCCAGGAGTGGCAGAAT
TTAGTGACATTTGGAAGCTTTTCAAACATGGTTCCTGTAGTCATCCATATATTGGTACC
CTGAGTCAAGTAAAGTTGTACTCCACAAATGTTTCAAGAAAGGACAGGGATCACAAACA
CTCAGAGTGGAAAAAGTACCATCATTTGAAACAGCAGAAGGTATAGGCACAGAAGTCAAA
GCTCCACTTAAGCAAGAACCTCTCCAAGTAAGAGTTAAAGCAGTCCTTAAGAAAAGGGAG
TATGGCTCAAAGTACACTCAGAATAATTTTCACTACTGGAGTCAGAGCGATAAATGAGTTC
TGCCTCAAATCCAGTGATCTAGAACAACCTCGAAAAATCAGACGACGAAGTCCCCATGAA
GATACTGAGTCTTTTACTGTATACTTGAGATCAGATGTGGAAGCAAAATCTTTGGAAGTT
TGGGGAAGCCCTGAAGCTCTTGCCAGAGAGAAAAAATTGCGTAAGGAAGCAGAAATAGAA
TACAGAGAAAGGCTATTTAGAAACCAAAAAATATTAAGAGAATACAGAGATTTCTTGGGA
AATACCAAGCCACGCTCCAGAACAGCATCAGTGTTTTTAAAGGACCAGGAAAAGTGGTG
ATGGTTGCAATTTGCATCAATGGATTAACTGCTTCTTTAAATTTCTTGCCTGGATTAT
ACCGGTTTCAGCAAGTATGTTCTCAGAAGCTATACACTCATTATCTGATACTTGTAAATCAG
GGTTTACTAGCATTGGGCATCAGTAAGTCTGTTCAAACACCAGATCCTTCTCATCCGTAC
GGATTTTCAAATATGCGCTATATTTCTTCGCTAATTAGTGGTGTGGTATTTTCATGATG
GGTGCAGGACTATCTTGGTACCATTGGAGTCATGGGATTGCTTCATCCTCAACCAATAGAA
TCCCTTCTATGGGCATATTGTATTTAGCAGGATCATTAGTATCTGAAGGAGCAACACTT
CTTGTTGCTGTAATGAACCTCGTAGGAATGCTCGGGCTAAAGGAATGTCATTTTACAAG
TATGTAATGGAAGTCGTGATCCTAGTACAAATGTGATATTATTGGAGGATACTGCTGCA
GTCTTGGGAGTTATAATAGCAGCACTTGTCATGGGCCTTACTTCTATAACAGGCAATCCA
CTGTATGACAGCCTAGGTTCTTTGGGTGTGGGCACCTTATTAGGCATGGTCTCAGCATTCT
CTCATCTACACTAACACAGAAGCACTCTTAGGGCGGTCCATCCAGCCAGAACAAGTACAA
CGGCTCACTGAACCTCTGGAGAATGACCCATCAGTAAGGGCAATTCATGATGTTAAAGCC
ACAGATCTGGGATTAGGTAAAGTAAGATTTAAGGCAGAAGTAGATTTTGATGGGCGAGTT
GTTACAAGATCATATTTGGAAAAACAAGATTTTGACCAAAATGTTACAAGAAATCAAGAA
GTGAAAACCTCTGAAGAACTAGAGACCTTTATGCTTAAACATGGAGAAAATATTATTGAT
ACTTTAGGAGCTGAAGTAGATAGACTTGAGAAGGAACTGAAAAACGAAATCCTGAAGTT
CGACATGTAGATTGGAGATACTGTGA
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Clone variation with respect to NM_006345.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006345 unedited

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NGGTTCAAATTTTGAATACGACTCACTATAGGGCGGCCGCGNAATTCGCACGAGGCGGA
GGCAGAAAGGCGGTGTCCGAGTAGGGGCTCTGCCCCACCAGGATGTTACCCGGCTTGGCC
GCCGCCGCCGCCACAGATGTAGCTGGTCCCTCCCTGTGCCGGCTCCGTCTGCGATGCAGG
GCGGCCGCCCTGTAATCCCAGCGACCGCCAGGAGTGGCAGAATTTAGTGACATTTGGAAGC
TTTTCAAACATGGTTCCTGTAGTCATCCATATATTGGTACCCTGAGTCAAGTAAAGTTG
TACTCCACAAATGTTTCAAGAAAGGACAGGGATCACAAACACTCAGAGTGGAAAAAGTA
CCATCATTTGAAACAGCAGAAGGTATAGGCACAGAAGTCAAAGCTCCACTTAAGCAAGAA
CCTCTCCAAGTAAGAGTTAAAGCAGTCCTTAAGAAAAGGGAGTATGGCTCAAAGTACACT
CAGAATAATTTCACTACTGGAGTCAGAGCGATAAATGAGTTCTGCCTCAAATCCAGTGAT
CTAGAACAACTTCGAAAAATCAGACGACGAAGTCCCCATGAAGATACTGAGTCTTTTACT
GTATACTTGAGATCAGATGTGGAAGCAAAATCTTTGGAAGTTTGGGGAAGCCCTGAAGCT
CTTGCCAGAGAGAAAAAATTGCGTAAGGAAGCAGANATAGAATACAGAGAAAGGCTATTT
AGAAACCAANAATATTAAGAGAATACAGAGATTTCTTGGGAAATACCAAGCCACGCTCC
AGAACAGCATCAGTGTTTTTAAAGGGACCAGGAAAGTGGTGTGGGNTGCATNTGCATC
AATGGATTAACTGCTTCTTTAAATTTGCCTGGATTATACCGGNNTCAGCAGTATGTC
TCAAAGCTATACACTCATTATCTG
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006345 unedited <pre> CGGCCGCAATCTAGAGTCGAGTTTTTNNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTAAAGGGGGGACCCCTTTATGGCTTATTTTACATAAAACAACTTTATGTAAGTT TATCAGGGCAAAACAGAAATTAAGATGGCAACATAAACCTTCAATTATTATTTAAAA AGGGGTGACCTCAACCAAAATCAGATTTAAAAAAATTTCAAATTTTTTTTTTTTTTTT ATTAGGGAATCCTAAAAAAATTTCCCATTTGGAAACCTGCTGCACATTAACCTTG GGGGCGTCTTGGGAAAAAAAGGAGGAATTATCTTGGCGGGCTTTGGGAAATTTTCA AAGTAATATCCCTAGGAGGAAACGGGATATAATTGGGGCTTTCTCATTGGGCAATGACC TGAAGTAATAATGGCAAGGGGAAAGGGAAGGAAAAAAAGTTAAATAAATC ATACCGGGGAAAAAAAGTTTTTTTTGTAAAAAAATAAGGAATTTGAACTGGAAA AATAGAGTTTCAAATTTTATTTTTTATAACATTTTCTATCTTAAAAATAAACGGGAA TGTTATTTCACTTAAATGGACAGCATGCAAAATCCTCTGTAATAGTAAAAAAATTA AAAGAAAAATCCCCACGGAAAGTCTCCAATTTCCAGTAAAGGAAATTTCTGGGCCA AAAATCCCATTAACAACCTTTTACCAAGGATTATTTTTGTTTCCAGCTTACAATTTGC AATAATCATAGATTCTCATTCCAGGAAGTTTAAAGCCAGATCTCACACGGGCGGTTGG GCCCCATGGTTAAACTCCTTATTCCGCAAGAGACCCCGGCCCATTTCTCATTGACAA TGCTCCCTGTACCTGACTTTTAAGTATGTATAGATTGTTTGGGAAGACGCTGCCTTTCTC CCATTTTAATACGAATGCGG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_006345
Insert Size:	3900 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
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_006345.3 , NP_006336.3

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]