

Product datasheet for **SC319231**

SLC52A3 (NM_033409) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SLC52A3
Synonyms:	bA371L19.1; BVVLS; BVVLS1; C20orf54; hRFT2; RFT2; RFVT3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF: >OriGene sequence for NM_033409.2 ACTAGAAGGAAGAAGTATGGAGTTAAAGACTGCAGCGTGAACTGAGGAGTCCCGGACAGG
CCGCTTGCTGCAGAGGATCCAGTCCAGATCCCAGGAGAGCCCTCTGCCCTTCGGACCT
CGTCTCCCATCTACAAAACGTGAAGATTGGCCAGTTGGCGTGTCTCTACAAAAGGTGC
ATATACCACTGCCCCGCTGCAGGCTGATCTGAGAAAGCCTCTGGCCAGGGCAGATACCG
CCATGGCCTTCCTGATGCACCTGCTGGTCTGCGTCTTCGGAATGGGCTCCTGGGTGACCA
TCAATGGGCTCTGGGTAGAGCTGCCCTGCTGGTATGGAGCTGCCGAGGGCTGGTACC
TGCCCTCTACCTACGGTGGTCATCCAGCTGGCCAACATCGGGCCCTCCTGGTCACCC
TGCTCCATCACTTCGGGCCAGCTGCCTTTCGGAAGTCCCATCATCTTCACCTGCTGG
GCGTGGGAACCGTCACTGCATCATCTTTCCTTCTGGAATATGACCTCCTGGGTGC
TGGACGGCCACACAGCATCGCTTCTTGGTCTCACCTTCTTCTGGCCCTGGTGGACT
GCACCTCTTCAGTGACCTTCTGCGGTTTCATGAGCCGGCTGCCACCTACTACCTCACCA
CCTTCTTTGTGGGTGAAGGACTCAGCGGCTCTTGGCCGCTTGGTGGCTCTTGGCCAGG
GCTCCGGTCTCACTACCTGCGTCAATGTCACTGAGATATCAGACAGCGTACCAAGCCCTG
TACCCACGAGGGAGACTGACATCGCACAGGGAGTTCCAGAGCTTTGGTGTCCGCCCTCC
CCGGAATGGAAGCACCTTGTCCACCTGGAGAGCCGCTACCTTCCGCCCACTTCTCAC
CCCTGGTCTTCTTCTCTCTATCCATCATGATGGCCTGCTGCCTCGTGGCGTCTTTG
TCCTCCAGCGTCAACCCAGGTGCTGGGAGGCTTCGCTGGAAGACCTCCTCAATGACCAGG
TCACCTCCACTCCATCCGGCTGCGGGAAGAGAATGACTTGGGCCCTGCAGGCATGGTGG
ACAGCAGCCAGGGCCAGGGTATCTAGAGGAGAAAGCAGCCCTGCTGCCCGGCCACCC
TGGCCTTCGCTATACCTGGTGGCTTTCGTCACGCGCTCACCAACGGCATGCTGCCCT
CTGTGCAGACCTACTCCTGCCTGCTCTATGGGCCAGTTGCCTACCACCTGGCTGCCACCC
TCAGCATTGTGGCAACCCCTTTCCTCGTGGTCTCCATGTTCTGCCTAACAGGTCTC
TGCTGTTCTGGGGTCTCTCCGTGCTTGGGACCTGCTTGGGGCTACAACATGGCCA
TGGCGGTGATGAGCCCTGCCCTCTTGCAGGGCCACTGGGTGGGGAAGTCTCATTG
TGGCCTCGTGGGTGCTTTTTCAGCGGCTGCCTCAGCTACGTCAAGGTGATGCTGGGCGTGG
TCCTGCGGACCTCAGCCGACGCGCTCTTGTGGTGGGGGCGGGGTGCAGCTGGGCT
CGCTGCTCGGAGCGCTGCTCATGTTCCCTCTGGTCAACGTGCTGCGGCTCTTCTCGTCCG
CGGACTTCTGCAATCTGCACTGTCCAGCCTAGGCAGGCCGCGGACCCCGCCCATCGCT
CACGGACGGAAGTGGGTCCAGAGAGGCCAGGTACAGAGCAAGGGGCAGGAACAGAGAG
ACAGAGCCTGAGTAATTGAATCATGAACGCAAGTGGCCACTGGGGACTGTGGGAAGATG
GCACCTGGAATGCAAGGTGCGGCTCTATCCCAACTCTGTGTCACTACCTGTGACGA
CCAGCTCAGATCTCCTTTGCTTTGACTCTCAAGAGAGGACTGATTTGCAGCATCTAGCTG
GAGGCAGGCCCAAGGGTGTAGAAAGGAAACAGCTGGGACAGCCGGCTGTCCCTTCAGGC
TGTGTGACCTTGGGAAAGTCATTTGGCTTCTCTGTGCTGTTTCTCATGCATGCAGTGG
GGATTCCAGTAAGTACCAACTACCTCACAGGCATGGCAGGAGGCAAAAGGAAAAAGCAG
CCGCATCAAGCAAGCCCTCCTGGGCCACCTGCTGATCTGACAGTCCATCGTAGTAACAA
GAGTGGCAGTCTGCACAACCTAGAAGTGGCCAGAAGGGTTGAGACAGCCCTGCCCTCT
CTCCTTTGCCCTCAGTCTCACAGAGGGGCTTCTACAAGACAAGCAGATAACGATAGAAT
CTTGGGCATCTTGGCTTTCGGATTCTCAGTGTGGAGGGACGTAGTACCCACACACCCCT
TCCTGTCTCCTTCTGGCCATAAAGCCCACTAGTTGGAGAGTAAGTACCCTCCTGGAA
GCAGGAGAGATGATTTGCTGGTGGGCTGGGGAAGGCCATCCCTGAGCCTCTGAAAGT
GAACTCCCGACAGGTGGGGACAGACATGCAGAGCCCTGGAAGTATTCTCTCAAAAT
GGAGGCAACAGAGGTGATTGTTATTTGTTTGTGTTTCTGTTTTCATTTTTTAAATAA
AGGCATTCCCTGCTTTTAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_033409

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_033409.2</u> , <u>NP_212134.2</u>
RefSeq Size:	2619 bp
RefSeq ORF:	1410 bp
Locus ID:	113278
UniProt ID:	<u>Q9NQ40</u>
Cytogenetics:	20p13
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a riboflavin transporter protein that is strongly expressed in the intestine and likely plays a role in intestinal absorption of riboflavin. The protein is predicted to have eleven transmembrane domains and a cell surface localization signal in the C-terminus. Mutations at this locus have been associated with Brown-Vialetto-Van Laere syndrome and Fazio-Londe disease. [provided by RefSeq, Mar 2012]