

Product datasheet for **SC321747**

SLC41A2 (NM_032148) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC41A2 (NM_032148) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC41A2
Synonyms:	SLC41A1-L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_032148.2
 CCACGCGTCCGGTGGAAATATTTTCTACACAATGAAGTCAACAACCTTAATTTAAACCAGT
 GTTTGTGCGGTTCTGATTCATCTGCTGTGGTCCCGAAGCTTGAGATCTAAGGAGTACAG
 GGTCTTTTGTGATGACAATATGACTAATAGTAAAGGAAGATCTATTACCGATAAAAACAAG
 TGGTGGTCCAAGTAGTGGAGGAGGTTTTGTAGATTGGACTTTACGTTTAAACACAATTCA
 ATCCGACAAGTTTTTAAATTTACTCTTGAGTATGGTCCAGTGATTTACCAGAAAAACCA
 AGAAGACAGGCACAAAAAAGCAAACGGCATTGGCAAGATGGATTATCAACTGCAGTACA
 GACTTTTGTAGTAATAGATCTGAGCAACACATGGAGTATCACAGTTTCTCAGAGCAGTCTTT
 TCATGCCAATAATGGGCACGCATCATCAAGCTGCAGCCAAAAGTATGATGACTATGCCAA
 TTATAATTACTGTGATGGAAGGGAGACTTCAGAAACCACTGCCATGTTACAAGATGAAGA
 TATATCTAGTGATGGTATGAAGATGCTATTGTAGAAGTGACCCAAAATTACCAAAGGA
 ATCCAGTGGCATCATGGCATTGCAAATACTTGTGCCCTTTTGTAGCTGGTTTTTGAAC
 AGTTTCAGCTGGCATGGTACTGGATATAGTACAGCACTGGGAGGTGTTACAGAAAAGTTAC
 AGAAGTTTTCATTTTAGTCCCTGCACTTCTTGGTCTCAAAGGGAAGTTGAAATGACATT
 GGCATCCAGATTATCCACTGCAGTAAATATTGGGAAGATGGATTCACCCATTGAAAAGTG
 GAACCTAATAATTGGCAACTTGGCTTTAAAGCAGGTTCCAGCAACAGTAGTGGGTTTTCT
 AGCAGCTGTGGCAGCAATTATATTGGGCTGGATCCAGAAGGAAAATATTACCTTGATCA
 TTCCATACTTCTGTGCTTAGCAGTGTGGCAACTGCCTTCATTGCATCTCTTCTGCAGGG
 AATAATAATGGTTGGGGTTATCGTTGGTTCAAAGAAGACTGGTATAAATCCTGATAATGT
 TGCTACACCCATTGCTGCTAGTTTTGGCGACCTTATAACTCTTGCCATATTGGCTTGGAT
 AAGTCAGGGCTTATACTCCTGTCTTGAGACCTATTACTACATTTCTCCATTAGTTGGTGT
 ATTTTTCTGGCTCTAACCCCTATTTGGATTATAATAGCTGCCAAACATCCAGCCACAAG
 AACAGTTCTCCACTCAGGCTGGGAGCCTGTCATAACAGCTATGGTTATAAGTAGCATTTGG
 GGCCTTATTCTGGACACAACACTGTATCAGACCCAAACTTGGTTGGGATTGTTGTTTACAC
 GCCAGTTATTAATGGTATTGGTGGTAATTTGGTGGCCATTCCAGGCTAGCAGGATTCTAC
 CTACCTCCATTTACATAGCATTCCAGGAGAATTGCCTGATGAACCCAAAGGTTGTTACTA
 CCCATTTAGAACTTTCTTTGGTCCAGGAGTAAATAATAAGTCTGCTCAAGTTCTACTGCT
 TTTAGTGATTCTGGACATTTAATTTTCTCTACACTATTCATTTGATGAAAAGTGGTCA
 TACTTCTTAACTATAATCTTCATAGTAGTGTATTTATTTGGCGCTGTGTACAGGTATT
 TACCTTGCTGGATTGCTGACTGGATGGTCCACTTCTGGAGGAAAGGAAAGGACCC
 GGATAGTTTCTCCATCCCCTACCTAACAGCATTGGGTGATCTGCTCGGGACAGCTCTGTT
 AGCCTTAAGTTTTCATTTCTTTGGCTTATTGGAGATCGAGATGGAGATGTTGGAGACTA
 ATAAATTTCAAAACTGCTCTCAAGTTACCAAGGAAGAAAATACACGACAACCACTTATG
 GCTCTTTTCAAAACTCTTAAATCAGTAGTTTGACTTTTGCCAGGGTAATCTTCAGTTGG
 CCCTGATTCAATTAATGGCCTTAATTTTTTTTTAAGGAATTTGTGTCAAACCAGAAATG
 AAGAGTATTCGTGCTGCTTTTATAGAATAAATGATAATTTGACATAGACATAGATATAA
 GTTCCAGCTCTGAAATTAATAGGAAAGAATATAGGATGTTTACAGTGAATAATTTTAA
 ACCACAAACATAGCAGAAATGACTTTTATTATTAATTTGTAATGCAGGATTAGAAGAAG
 CAGAGCTCTAGTTTAGCCTTTCTTGTCTCACAGATGTGCTGTATCCAGGCATACTATAA
 AACGAAGAGTGCCCAACCAAGCTTTGAATCGTATTAACAATGCCACCTCTATGCTAGCT
 GAGGATAAATTTACCAGTTGCTCATATTTAAACTGACCTAAATATGTTTTGCTGAGCATA
 AGATAAACTCACTTTTACCTCCATCTAAAAA

Restriction Sites: Please inquire

ACCN: NM_032148

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:	<ol style="list-style-type: none">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_032148.2 , NP_115524.2
RefSeq Size:	3548 bp
RefSeq ORF:	1473 bp
Locus ID:	84102
UniProt ID:	Q96JW4
Cytogenetics:	12q23.3
Domains:	MgtE
Protein Families:	Transmembrane
Gene Summary:	Acts as a plasma-membrane magnesium transporter.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript. All five variants encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.