

Product datasheet for **SC308696**

SLC25A24 (NM_213651) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A24 (NM_213651) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A24
Synonyms:	APC1; SCAMC-1; SCAMC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308696 representing NM_213651. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGACTCCCTCTACGGAGATCTCTTTGGTACCTGGACTATAACAAGGATGGGACCTTGGACATTTT
 GAGCTTCAGGAAGGCCTGGAGGATGTAGGGCCATTCAATCTCTAGAGGAAGCGAAGAAATTTTACT
 ACTGGAGATGTCAACAAAGATGGGAAGCTGGATTTGAAGAATTTATGAAGTACCTTAAAGACCATGAG
 AAGAAATGAAATTGGCATTTAAGAGTTTAGACAAAAATAATGATGGAATAATTGAGGCTTCAGAAAT
 GTCCAGTCTCTCCAGACACTGGGTCTGACTATTTCTGAACAACAAGCAGAGTTGATTCTTCAAAGCATT
 GATGTTGATGGGACAATGACAGTGGACTGGAATGAATGGAGAGACTACTTCTTATTTAATCCTGTTACA
 GACATTGAGGAAATTATCCGTTTCTGGAACATTCTACAGGAATTGACATAGGGGATAGCTTAACATT
 CCAGATGAATTCACGGAAGACGAAAAAATCCGACAATGGTGGAGGCAGCTTTTGGCAGGAGGCATT
 GCTGGTGTCTCTCGAACAAGCACTGCCCTTTGGACCGTCTGAAATCATGATGCAGGTTACCGGT
 TCAAAATCAGACAAAATGAACATATTTGGTGGCTTCGACAGATGGTAAAAGAAGGAGGTATCCGCTCG
 CTTTGGAGGGGAAATGGTACAAACGTCATCAAAATGCTCCTGAGACAGCTGTTAAATCTGGGCATAT
 GAACAGTACAAGAAGTTACTTACTGAAGAAGGACAAAAATAGGAACATTTGAGAGATTTATTTCTGGT
 TCCATGGCTGGAGCAACTGCACAGACTTTTATATATCAATGGAGGTTATGAAAACAGGCTGGCTGTA
 GGCAAACTGGGCACTCTGGAATATATGATTGTGCAAGAAGATTTTGAACATGAAGCTTGGGA
 GCTTTTACAAAGGCTATGTTCCCAATTTATTAGGTATCATACCTTATGCAGGCATAGATCTTGCTGTG
 TATGAGCTCTTGAAGTCTATTGGCTGGATAATTTTGAAAAGATTCTGTAAACCTGGAGTCATGGTG
 TTGCTGGGATGCGGTGCCTTATCCAGCACCTGTGGTCAGCTGGCCAGCTACCCATTGGCTTTGGTGAGA
 ACTCGCATGCAGGCTCAAGCCATGTTAGAAGGTTCCCAAGCTGAATATGGTTGGCCTCTTTCGACGA
 ATTATTTCAAAGAAGGAATACCAGGACTTTACAGAGGCATCACCCAACTTCATGAAGGTGCTCCCT
 GCTGTAGGCATCAGTTATGTGTTTATGAAATATGAAGCAAATTTAGGAGTAACCCAGAA**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC


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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_213651
Insert Size:	1377 bp
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.
RefSeq:	<u>NM_213651.2</u>
RefSeq Size:	3511 bp
RefSeq ORF:	1377 bp
Locus ID:	29957
UniProt ID:	<u>Q6NUK1</u>
Cytogenetics:	1p13.3
Protein Families:	Druggable Genome
MW:	51.4 kDa
Gene Summary:	This gene encodes a carrier protein that transports ATP-Mg exchanging it for phosphate. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012] Transcript Variant: This variant (2) differs in the 5' UTR and CDS compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 1.