

Product datasheet for **RG222503**

SLC25A24 (NM_213651) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A24 (NM_213651) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC25A24
Synonyms:	APC1; SCAMC-1; SCAMC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG222503 representing NM_213651
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGACTCCCTCTACGGAGATCTCTTTTGGTACCTGGACTATAACAAGGATGGGACCTTGGACATTTTGG
 AGCTTCAGGAAGCCTGGAGGATGTAGGGGCCATTCAATCTCTAGAGGAAGCGAAGAAAAATTTTACTAC
 TGGAGATGTCAACAAAGATGGGAAGCTGGATTTTGAAGAATTTATGAAGTACCTTAAAGACCATGAGAAG
 AAAATGAAATTGGCATTAAAGAGTTTAGACAAAAATAATGATGGAAAAATTGAGGCTTCAGAAATTGTCC
 AGTCTCTCCAGACACTGGGTCTGACTATTTCTGAACAACAAGCAGAGTTGATTCTTCAAAGCATTGATGT
 TGATGGGACAATGACAGTGGACTGGAATGAATGGAGAGACTACTTCTATTTAATCCTGTTACAGACATT
 GAGGAAATTATCCGTTTCTGGAAACATTCTACAGGAATTGACATAGGGGATAGCTTAACTATTCCAGATG
 AATTCACGGAAGACGAAAAAAATCCGGACAATGGTGGAGGCAGCTTTTGGCAGGAGGCATTGCTGGTGC
 TGTCTCTCGAACAAGCACTGCCCTTTGGACCGTCTGAAAATCATGATGCAGGTTACGGTTCAAAATCA
 GACAAAATGAACATATTTGGTGGCTTTCGACAGATGGTAAAAGAAGGAGGTATCCGCTCGCTTTGGAGGG
 GAAATGGTACAAACGTCATCAAAATTGCTCCTGAGACAGCTGTTAAATTCGGGCATATGAACAGTACAA
 GAAGTTACTTACTGAAGAAGGACAAAAATAGGAACATTTGAGAGATTTATTTCTGGTTCATGGCTGGA
 GCAACTGCACAGACTTTTATATATCCAATGGAGGTTATGAAAACAGGCTGGCTGTAGGCAAACTGGGC
 AGTACTCTGGAATATATGATTGTCCAAGAAGATTTTGAACATGAAGGCTTGGGAGCTTTTACAAAGG
 CTATGTTCCCAATTTATTAGGTATCATACCTATGCAGGCATAGATCTTGCTGTGTATGAGCTCTTGAAG
 TCCTATTGGCTGGATAATTTTGCAAAAGATTCTGTAAACCCTGGAGTCATGGTGTGCTGGGATGCGGTG
 CCTTATCCAGCACCTGTGGTCAGCTGGCCAGCTACCCATTGGCTTTGGTGAGAACTCGCATGCAGGCTCA
 AGCCATGTTAGAAGGTTCCCAACAGCTGAATATGGTTGGCTCTTTTCGACGAATTATTTCCAAAGAAGGA
 ATACCAGGACTTTACAGAGGCATCACCCAAACTTCATGAAGGTGCTCCCTGCTGTAGGCATCAGTTATG
 TGGTTTATGAAAATATGAAGCAAACTTTAGGAGTAACCCAGAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG222503 representing NM_213651
 Red=Cloning site Green=Tags(s)

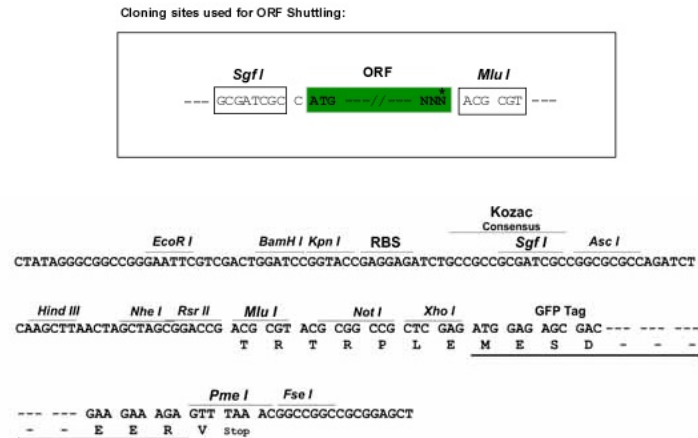
MDSLYGDLFWYLDYNDKDGTLDFELQEGLEDVGAIQSLEEAKKIFTTGDVNDGKLDFFEEFMKYLKDHEK
 KMKLAFKSLDKNNDGKIEASEIVQSLQTLGLTISEQQAELILQSIDVDGTMVDWNEWRDYFLFNPVTDI
 EEIIRFWKHSTGIDIGDSLTIPEFTEDEKKSGQWWRQLLAGGIAGAVSRTSTAPLDRKIMMQVHGSKS
 DKMNIFFGFRQMVKEGGIRSLWRNGNTNVIKAPETAVKFWAYEQYKLLTEEGQKIGTFRFISGSMAG
 ATAQTFIYPMEVMKTRLAVGKTGQYSGIYDCAKKILKHEGLGAFYKGYVNNLLGIIPYAGIDLAVYELLK
 SYWLDNFAKDSVNPQVMVLLGCGALSSTCGQLASYPLALVRTRMQAQAMLEGSPQLNMVGLFRRIISKEG
 IPGLYRGITPNFMKVLPAVGISYVYENMKQTLGVTQK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_213651

ORF Size: 1374 bp

OTI Disclaimer: 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: [NM_213651.3](#)

RefSeq Size: 3344 bp

RefSeq ORF: 1377 bp

Locus ID: 29957

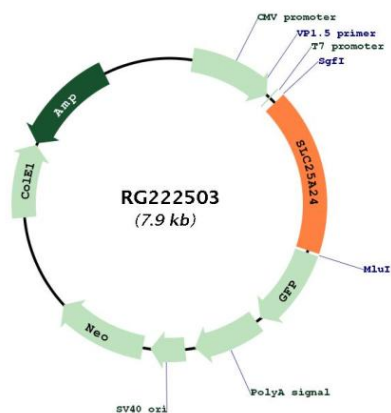
UniProt ID: [Q6NUK1](#)

Cytogenetics: 1p13.3

Protein Families: Druggable Genome

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]

Product images:



Circular map for RG222503