

Product datasheet for **RG209855**

SLC25A24 (NM_013386) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A24 (NM_013386) 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:

>RG209855 representing NM_013386
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTTGCGCTGGCTGCGGGACTTCGTGCTGCCACCGCGCCTGCCAGGACGCGGAGCAGCCGACGCGCT
 ACGAGACCCTCTCCAGGCACTGGACCGCAATGGGGACGGAGTGGTGGACATCGGCGAGCTGCAGGAGGG
 GCTCAGGAACCTGGGCATCCCTCTGGGCCAGGACGCCGAGGAGAAAAATTTTACTACTGGAGATGTCAAC
 AAAGATGGGAAGCTGGATTTTGAAGATTTATGAAGTACCTAAAGACCATGAGAAGAAAAATGAAATTGG
 CATTAAAGAGTTAGACAAAAATATGATGAAAAATTGAGGCTTCAGAAATTGTCCAGTCTCTCCAGAC
 ACTGGGTCTGACTATTTCTGAACAACAAGCAGAGTTGATTCTTCAAAGCATTGATGTTGATGGGACAATG
 ACAGTGGACTGGAATGAATGGAGAGACTACTTCTATTTAATCCTGTTACAGACATTGAGGAAATTATCC
 GTTTCTGGAACATTCTACAGGAATTGACATAGGGGATAGCTTAACTATCCAGATGAATTCACGGAAGA
 CGAAAAAAATCCGGACAATGGTGGAGGACGCTTTTGGCAGGAGGCATTGCTGGTGTCTCTCGAACA
 AGCACTGCCCCTTTGGACCGTCTGAAAAATCATGATGCAGGTTACGGTTCAAATCAGACAAAAATGAACA
 TATTTGGTGGCTTTCGACAGATGGTAAAAGAAGGAGGTATCCGCTCGCTTTGGAGGGGAAATGGTACAAA
 CGTCATCAAAATGCTCCTGAGACAGCTGTTAAATCTGGGCATATGAACAGTACAAGAAGTTACTTACT
 GAAGAAGGACAAAAATAGGAACATTTGAGAGATTTATTTCTGGTTCCATGGCTGGAGCAACTGCACAGA
 CTTTTATATATCCAATGGAGGTTATGAAAACCAGGCTGGCTGTAGGCAAACTGGGCAGTACTCTGGAAT
 ATATGATTGTCCAAGAAGATTTGAAACATGAAGGCTTTGGAGCTTTTACAAGGCTATGTTCCCAAT
 TTATTAGGTATCATACCTTATGCAGGCATAGACTTGTGTGTATGAGCTTTGAAGTCTATTGGCTGG
 ATAATTTGCAAAAGATTCTGTAACCCCTGGAGTCATGGTGTGGTGGGATGCGGTGATCCAGCAC
 CTGTGGTCAGCTGGCCAGCTACCCATTGGCTTTGGTGAGAACTCGCATGCAGGCTCAAGCCATGTTAGAA
 GGTTCACACAGCTGAATATGGTTGGCCTCTTTCGACGAATTATTTCAAAGAAGGAATACCAGGACTTT
 ACAGAGGCATCACCCAACTTCATGAAGGTGCTCCCTGCTGTAGGCATCAGTTATGTGGTTTATGAAAA
 TATGAAGCAAACCTTAGGAGTAACCCAGAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG209855 representing NM_013386
 Red=Cloning site Green=Tags(s)

MLRWLRDFVLPAAACQDAEQPTRYETLFQALDRNGDGVVDIGELQEGLRNLGIPLGQDAEEKIFTTGDVN
 KDGKLDFFEFMKYLKDHEKMKLAFKSLDKNNDGKIEASEIVQSLQTLGLTISEQQAELILQSIDVDGTM
 TVDWNWRDYFLFNPVTDIEEIIIRFWKHSTGIDIGDSLTIPEDEFTEDEKKSQWWRQLLAGGIAGAVSRT
 STAPLDRDKIMMQVHGSKSDKMNIFFGFRQMVKEGGIRSLWRNGTNIKIAPETAVKFWAYEQYKLLT
 EEGQKIGTFERFISGSMAGATAQTFIYPMEVMKTRLAVGKTGQYSGIYDCAKKILKHEGLGAFYKGYVNP
 LLGIIPYAGIDLAVYELLKSYWLDNFAKDSVNPVMVLLGCGALSSTCGQLASYPLALVRTRMQAQAMLE
 GSPQLNMVGLFRRIISKEGIPGLYRGITPNFMKVLPAVGISYVVYENMKQTLGVTQK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_013386

ORF Size: 1431 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_013386.5](#)

RefSeq Size: 3600 bp

RefSeq ORF: 1434 bp

Locus ID: 29957

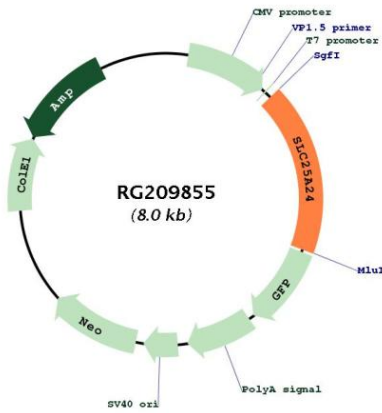
UniProt ID: [Q6NUK1](#)

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 RG209855