

## Product datasheet for **RG215572**

### **SLC27A6 (NM\_001017372) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SLC27A6 (NM_001017372) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC27A6
Synonyms:	ACSVL2; FACVL2; FATP6; VLCS-H1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG215572 representing NM\_001017372  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTTCTGTCATGGCTAACAGTCTTAGGGCTGGAATGGTCGTCCTGCACCTTCGTGCAGAACTCCTGT  
 TCACCTACTTTTGGGATGACTTCTGGTTCTGTGTTGAAGGTGGTGCTCATTATAATTCGGCTGAAGAAGTA  
 CGAAAAGAGAGGGGAGCTGGTACTGTGCTGGATAAATCTTGAGTCATGCCAAAAGACAACCTCGGAAA  
 CCTTTCATCATCTATGAGGGAGACATCTACACCTATCAGGATGTAGACAAAAGGAGCAGCAGAGTGGCCC  
 ATGTCTTCTGAACCATTCCTCTCTGAAAAAGGGGACACGGTGGCTCTGCTGATGAGCAATGAGCCGGA  
 CTTCTGTTACGTGGTTTCGGCCTCGCCAAGCTGGGCTGCGTGGTGGCCTTTCTCAACACCAACATTGCG  
 TCCAACCTCCTCGAATTGCATCCGCGCTGTGGGCCAGAGCCCTAGTGGTGGCGCAGATTTGCTTG  
 GGACGGTAGAAGAAATCCTTCCAAGCCTCTCAGAAAATATCAGTGTGGGGGATGAAAGATTCTGTTCC  
 ACAAGGTGAATTCACCTCAAAGAAAACTGAGCACCTCACCTGATGAGCCCGTGCCACGCAGCCACCAT  
 GTTGTCTCACTCATCAAGTCTACTTGTCTTTACATTTTTACCTCTGGAACAAACAGGTCTACCAAAAGCAG  
 CTGTGATTAGTCAGCTGCAGTTTTAAGGGTTCTGCTGTCTGTGGGCTTTTGGTTGACTGCTCATGA  
 CATTGTTTATATAACCTTCTCTGTATCATAGTTCAGCAGCTATCCTGGGAATTTCTGGATGTGTTGAG  
 TTGGGTGCCACTTGTGTGTTAAGAAGAAATTTTCAGCAAGCCAGTTTTGGAGTGACTGCAAGAAGTATG  
 ATGTGACTGTGTTTCAGTATATTGGAGAAGTGTGCTACCTTTGCAACAATCTAAGAGAGAAGGAGA  
 AAAGGATCATAAGGTGCGTTTGGCAATTGGAATGGCATACGGAGTGATGATGGAGAGAATTTTATAGC  
 AGATTTGGAAATATAAAGGTGTGTAACCTTTATGCAGCTACCGAATCAAGCATATCTTTCATGAACATA  
 CTGGGAGAATTGGAGCAATTGGGAGAACAATTTGTTTTACAACTTCTTCCACTTTTGACTTAATAAA  
 GTATGACTTTCAGAAAGATGAACCCATGAGAAAATGAGCAGGTTGGTGTATTCATGTGAAAAAAGGAGAA  
 CCTGGACTTCTATTTCTCGAGTGAATGCAAAAAATCCCTTCTTTGGCTATGCTGGGCCTTATAAGCACA  
 CAAAAGACAAATTGCTTTGTGATGTTTTAAGAAGGGAGATGTTACCTTAATACTGGAGACTTAATAGT  
 CCAGGATCAGGACAATTTCTTTATTTTTGGGACCGTACTGGAGACACTTTCAGATGAAAAGGAGAAAAAT  
 GTCGCAACCACTGAGGTTGCTGATGTTATTGGAATGTTGGATTTACATACAGGAAGCAAACGCTATGGTG  
 TGGCTATATCAGGTTATGAAGGAAGAGCAGGAATGGCTTCTATTATTTAAAACCAATACATCTTTAGA  
 TTTGGAAAAAGTTTATGAACAAGTTGTAACTTTCTACCAGCTTATGCTTGCCACGATTTTAAAGAATT  
 CAGGAAAAAATGGAAGCAACAGGAACATTCAAACCTATTGAAGCATCAGTTGGTGGAGATGGATTTAATC  
 CACTGAAAATTTCTGAACCACTTACTTTCATGGATAACTTGAAAAAGTCTTATGTTCTACTGACCAGGGA  
 ACTTTATGATCAATAATGTTAGGGGAAATAAACTT

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG215572 representing NM\_001017372  
 Red=Cloning site Green=Tags(s)

MLLSWLTVLGAGMVLHFVQKLLFTYFWDFFVFLKVVLLIIIRLKKYKRGELVTVLDFKFLSHAKRQPRK  
 PFIIYEGDIYTYQDVKRSSRVAVHFLNHSSLKKGDTVALLMSNEPDFVHVWFGLAKLGCVVAFLNTNIR  
 SNSLLNCIRACGPRALVVGADLLGTVEEILPSLSENI SVWGMKDSVPQGVISLKEKLTSPDEPVPRSHH  
 VVSLIKSTCLYIFTSGTTGLPKAAVISQLQVLRGS AVLWAFGCTAHDIVYITLPL YHSSAAILGISGCV  
 LGATCVLKKKFSASQFWSDCCKYDVTVFQYIGELCRYLCKQSKREGEKDHKVR LAI NGIRSDVWREFLD  
 RFGNIKVC ELYAATESSISFMNYTGRIGAIGRTNLFYKLLSTFDLIK YDFQKDEPMRNEQGWCIHVKKGE  
 PGLLISR VNAKNPFFGYAGPYKHTKDKLLCDVFKKGDVYLN TGDLIVQDQDNFLYFWDRTGDTFRWKGEN  
 VATTEVADVIGMLDFIQEANVYGV AISGYEGRAGMASIILKPNTSLDLEK VYEQVVTF LPAYACPRFLRI  
 QEKMEATGTFKLLKHQLVEDGFNPLKISEPL YFMDNLKKS YVLLTREL YDQIMLGEIKL

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001017372

**ORF Size:** 1857 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\\_001017372.1](#), [NP\\_001017372.1](#)

**RefSeq Size:** 2839 bp

**RefSeq ORF:** 1860 bp

**Locus ID:** 28965

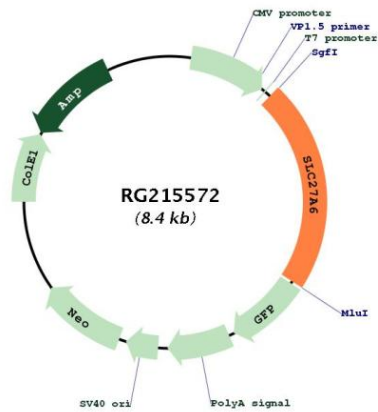
**UniProt ID:** [Q9Y2P4](#)

**Cytogenetics:** 5q23.3

**Protein Pathways:** PPAR signaling pathway

**Gene Summary:** This gene encodes a member of the fatty acid transport protein family (FATP). FATPs are involved in the uptake of long-chain fatty acids and have unique expression patterns. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG215572