

Product datasheet for **SC214131**

Solute carrier family 22 member 5 (SLC22A5) (NM_003060) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Solute carrier family 22 member 5 (SLC22A5) (NM_003060) Human 3' UTR Clone
Symbol:	Solute carrier family 22 member 5
Synonyms:	CDSP; OCTN2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003060
Insert Size:	1370 bp



[View online »](#)

Insert Sequence: >SC214131 3'UTR clone of NM_003060
The sequence shown below is from the reference sequence of NM_003060. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCCACAATCCTTAAAGCACAGCCTTCTAACATCGCTTCCAGTAAGGGAGAACTGAAGAGGAAAGACT
GTCTTGCCAGAAATGGCCAGCTTGTGCAGACTCCGAGTCCCTTCAGTGACAAAAGGCCTTTGCTGTTGT
CCTCTTGACCTGTGTCTGACTTGCTCCTGGATGGGCACCCACACTCAGAGGCTACATATGGCCCTAGAG
CACCACCTTCTCTAGGGACACTGGGGCTACCTACAGACAACCTCATCTAAGTCCCTAATTACAAATG
ATGGACTCAGCACCTCAAAGCAGTTAATTTTTCTACTAGAACCAGTGAGATCTGGAGGAATGTGAGAAG
CATATGCTAAATGTACATTTTAATTTAGACTACTTGAAGGCCCTAATAAGGCTAGAGGTCTAAGT
CCCCACCCCTTTCCCACTCCCTCTAGTGGTGAACCTTAGAGGAAAAGGAAGTAATTGCACAAGGAG
TTTGATTCTTACCTTTTCTCAGTTACAGAGGACATTAAGTGGATCATTGCTTCCCAAGGGCAGGAGAGC
GCAGAGCTAGGGAAAGTGAAGGTAAATGAAGATGGAGCAGAATGAGCAGATGCAGATCACCAGCAAAGT
GCACTGATGTGTGAGCTCTTAAGACCACTCAGCATGACGACTGAGTAGACTTGTTTACATCTGATCAAA
GCACTGGGCTTGTCCAGGCTCATAATAAATGCTCCATTGAATCTACTATTCTTGTCTTCCACTGCTGTG
GAAACCTCCTTGCTACTATAGCGTCTTATGTATGGTTTAAAGGAAATTTATCAGGTGAGAGAGATGAGC
AACGTTGTCTTTTCTCTCAAAGCTGAATGTGGGTTTTGTTTTATTGTTTATTGTTTGTGTTGATC
CTTTTCTCCTTGTTATTTGCCCTCAGAATGCAGTTGGGAAAGGCTGGTTCCTTAGCCTCCTGGTTTGT
GTCTTTTTTTTTTTTTTTTTTAAACAGAATCACTCTGGCAATTGTCTGCAGCTGCCACTGGTGCAAGGC
CTTACCAGCCCTAGCCTCTAGCACTTCTCTAAGTGCCAAAAACAGTGTCATTGTGTGTGTTCTTTCTT
GATACTTAGTCATGGGAGGATATTACAAAAAGAAATTTAAATTGTGTTTATAGTCTTTTACAGTAGCT
CACTTTAGTCCTGTAACCTTTATTGGGTGATTTTTGTGTTTCAAGTGAATGTCTTCTTTGCTGATTA
TGTTACCATGGTACTCCTAAAGCATATGCCTCACCTGGTTAAAAAAGAACAAACATGTTTTTGTGAAAG
CTACTGAAGTGCCTTGGGAAATGAGAAAGTTTTAATAAGTAAATGATTTTTTAAATAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

Restriction Sites: Sgfl-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_003060.4

Summary:

Polyspecific organic cation transporters in the liver, kidney, intestine, and other organs are critical for elimination of many endogenous small organic cations as well as a wide array of drugs and environmental toxins. The encoded protein is a plasma integral membrane protein which functions both as an organic cation transporter and as a sodium-dependent high affinity carnitine transporter. The encoded protein is involved in the active cellular uptake of carnitine. Mutations in this gene are the cause of systemic primary carnitine deficiency (CDSP), an autosomal recessive disorder manifested early in life by hypoketotic hypoglycemia and acute metabolic decompensation, and later in life by skeletal myopathy or cardiomyopathy. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Apr 2015]

Locus ID:

6584

MW:

51.6