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Product datasheet for SC216660

CTPS2 (NM_175859) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CTPS2 (NM_175859) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CTPS2
Synonyms:	GATD5B
ACCN:	NM_175859
Insert Size:	1848 bp

View online »

Insert Sequence:

>SC216660 3'UTR clone of NM_175859
The sequence shown below is from the reference sequence of NM_175859. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCAAGGATAGCTGAGTTGGAAATAAGCTGAAATGAATACATGACTGGGAATAATGGGGACTGCCTGTGA
GGCCTCTGAAATAATTGAAGGCAAGATGAAGGAACTATCTGAAGAAATCACTACACTCTTAGAGAATCC
CTCTGTTCTCCAGCAAACATGGGATGTAAAGCCTCACAGGGAATCTGATAATACATACTTCTGTCAACC
AGAACCAGAGGGGTAGTTTTCTTTTCCCTCCAGAGGCAGCCTTTGGTACTTAAAATATCTGTAGCTGAT
TAAATTTTTCCCAACAACCTCACTGGGGAGAAAGTGTGTTCATGTTTTGTCCAGCGGATCAGGATGTTA
GGATGACGAGCAAGAGTCCAGGTCACTGTGCCTTTGCTGTGTTGTATGGAAAGGATGGCAGGGAACATG
CTGTAAGTAATTTTGAGTAAGAAAATGAGTCACTGTGTTACCTGGAACTCAGCCACAGATTTGTGTGTG
GTCCAAGATCATTGCAGTTTCTCACCCTGTTTATTTCCTGGTAAAAGTAAAATTGAATAGGTCCAAGAC
TTGGGGGTGGCAAGTAAGGCTTTGCCTCAGGCACAAAATTTAAGGGGGCTCCAAAAAACTCAGGAATCA
AGATCAGCAATACAGTCTGAGTATCCCTTATGTGAAATGCTTGGGGCTAGAAGTGTTTTGAATTTCAGA
TTTTGGAATATTTGCATATACATGCGATATCTTGGGGATGAGACTCAAGACTAAACATGAAATTCATTT
ATGCTTCATATACACCTTATATACATAGCCTAAAGGTAATTTGATACAATATTTTAAATAATTTTGTGC
ATGAAACAAAGTTTCGACTGCATTTTGACTGTGATTTCTGGCATGAGATCAGTTATGGAATTTTCCACT
TCTAGCGTCATGTTGGCATTCAGAAATTTTGAAATTTTGGAGCATTTTGGATTTTCAGATTAGGGATGC
TCAACCTGTATATATATTTTTTAATCGACGTGAAATTCACGTAACATAGAATTAACCATTTTGAAGTGA
ACAATTTGGTTGCATTCACTGATGTTGAGCAACCACCACCTTTAACTATTTCCAAAACATTTTCATCAC
TCCAAAATAAATGCCTGTACACACTAGCAGTCACTCCCTATCTTCCCCTCCACCTGTCCGCTGGCAACC
ACTGATCTCCTTTTTATTTCTGTGGCTTTTTCTATTCTGGATATTTCATATAAGTGGAATTACACAATA
TATGTGGTCTTTTGTGTCTGGCTTCTTCTGAGACAGTAGGAAGGGGGGCTTGGCTTTGGCTCACCCCCA
CTAGAGCATTTTTTCATGCATTCCCACTGATCACAAAACCCATACTACTACCTCATTGACACCATACCT
GCTAACCTCGAGGCTTTAGTCATACAAAGAAAATGGCCTTTCTGTATTGTTCTTCTGTGCTCTCATAAT
GCTTAACCATGTCTTTTACTTAAACAATTCCAGGAACTGGCCTTAGGAGATCCAAATAGGGAACCAAGA
TTGCAGAGTGTCCCATCTTGGGAGGGAATGCTGAATAATTAATTGATTTACAGCCTTGTTGCCGCTGGC
CAGACCACCAGGTGGCCCATTACTCGAGATGATCATCACAACCAGATGATGCTAACCTATATCCTCTAC
CCTTCGCGTGCTTTGTCTGGGAAGTCTTTTGGCCCCATGTCAGTTTCTATTGCATTGAGAGCCCAAGAG
CCCCTGGTCAGTCAGGCTTCCATTTAGCATGGCGTTTGCAAGGTTTACCCATGTTGTAGCATGTGTCAG
AATTTCATTCCTTTCTATGGCTGAATAAAATTCCATTGTATGAATATACCACAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-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_175859.3

Summary:	The protein encoded by this gene catalyzes the formation of CTP from UTP with the concomitant deamination of glutamine to glutamate. This protein is the rate-limiting enzyme in the synthesis of cytosine nucleotides, which play an important role in various metabolic processes and provide the precursors necessary for the synthesis of RNA and DNA. Cancer cells that exhibit increased cell proliferation also exhibit an increased activity of this encoded protein. Thus, this protein is an attractive target for selective chemotherapy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]
Locus ID:	56474
MW:	70.1