OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC122833

CUTC (NM_015960) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CUTC (NM_015960) Human Untagged Clone
Tag:	Tag Free
Symbol:	CUTC
Synonyms:	CGI-32
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_015960 edited
GGGGAAGTGGAAACTGCAGGCGCACGAGGGAGGAACGCGTGGAGCATGAAAAGGCAGGGG
GCCTCCTCTGAGCGAAAACGAGCGCGGATACCGTCCGGGAAGGCCGGAGCAGCAAATGGA
TTTCTCATGGAAGTTTGTGTTGATTCAGTGGAATCAGCTGTGAATGCAGAAAGAGGAGGT
GCTGATCGGATTGAATTATGTTCTGGTTTATCAGAGGGGGGAACTACACCCAGCATGGGT
GTCCTTCAAGTAGTGAAGCAGAGTGTTCAGATCCCAGTTTTTGTGATGATTCGGCCACGG
GGAGGTGATTTTTTGTATTCAGATCGTGAAATTGAGGTGATGAAGGCTGACATTCGTCTT
GCCAAGCTTTATGGTGCTGATGGTTTGGTTTTTGGGGCATTGACTGAAGATGGACACATT
GACAAAGAGCTGTGTATGTCCCTTATGGCTATTTGCCGCCCTCTGCCAGTCACTTTCCAC
CGAGCCTTTGACATGGTTCATGATCCAATGGCAGTCTGGAGACCCTCTTAACCTTGGGAT
TTGAACGCGTGTTGACCAGTGGATGTGACAGTTCAGCATTAGAAGGGCTACCCCTAATAA
AGCGACTCATTGAGCAGGAGGTGGTATAACAGACAGAAATCTACAAAGGATCCTTGAGGG
TTCAGGTGCTACAGAATTCCACTGTTCTGCTCGGTCTACTAGAGACTCGGGAATGAAGTT
TCGAAATTCATCTGTTGCCATGGGAGCCTCACTTTCTTGCTCAGAATATTCCCTAAAGGT
AACAGATGTGACCAAAGTAAGGACTTTGAATGCTATCGCAAAGAACATCCTGGTGTAGCC
AGACCTCTCTGAGAGACATGGATATCACAGGATGAAGGTAGAACTATAATCTGCAATTCT
CTATGACACAGCTTTAACCTTCTTCTCTGGCCAGGACAGTCGCAATCTTTGTTTTAAGTT
TCACATGGCCATGGAGAATGTGCCCAAGAAGAAAAAGAATTTGAAACAGAGATACAGTCA
CTTCCTTTGCTTAGTCTTACCAGTGATTGTCATCATGGTTAAAGCTGGTCTGTGCTTCTT
CCATAGACAGAAGCTTAGTCTGTTTTCAGTGGAATTAATTGATGAACTGGGAAAATTTTA
ACTGCATGGTATGAATTCAGAGTGTGACTTAAGGGTCAATTCAAAGCAGTATTTTGACTT
TTCATTTGTAAAATAAAAATTTCCACTAGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015960 unedited
NGAGTTTGGATTTGTATACGACTTATATAGGGCGGCCGCGATTCGGCCATTACGGCCGGG
GAAGTGGAAACTGCAGGCGCACGAGGGAGGAACGCGTGGAGCATGAAAAGGCAGGGGGCC
TCCTCTGAGCGAAAACGAGCGCGGATACCGTCCGGGAAGGCCGGAGCAGCAAATGGATTT
CTCATGGAAGTTTGTGTTGATTCAGTGGAATCAGCTGTGAATGCAGAAAGAGGAGGTGCT
GATCGGATTGAATTATGTTCTGGTTTATCAGAGGGGGGAACTACACCCAGCATGGGTGTC
CTTCAAGTAGTGAAGCAGAGTGTTCAGATCCCAGTTTTTGTGATGATTCGGCCACGGGGA
GGTGATTTTTTGTATTCAGATCGTGAAATTGAGGTGATGAAGGCTGACATTCGTCTTGCC
AAGCTTTATGGTGCTGATGGTTTGGTTTTTGGGGCATTGACTGAAGATGGACACATTGAC
AAAGAGCTGTGTATGTCCCTTATGGCTATTTGCCGCCCTCTGCCAGTCACTTTCCACCGA
GCCTTTGACATGGTTCATGATCCAATGGCAGCTCTGGAGACCCTCTTAACCTTGGGATTT
GAACGCGTGTTGACCAGTGGATGTGACAGTTCAGCATTAGGAGGGCTACCCCTAATAAGC
GACTCATTGAGCAGGAGGTGGTATAACAGACAGAAATCTACAAAGGATCCTTGAGGGTTC
AGGTGCTACAGAATTCCACTGTTCTGCTCGGTCTACTAGAGACTCGGGAATGAAGTTTCG
AAAATCATCTGTTGCCATGGGAGCCTCACTTTCTTGCTCAGAATATTCCCTAGGGTAACA
GATGTGACCAAAGTAGGACTTTGAATGCTATCGCAAAGAAATCCTGGTGTAGCCAGACTC
TCTGAAAACATG

Restriction Sites: Please inquire

ACCN: NM_015960

Insert Size: 1257 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_015960.1, NP_057044.1

RefSeq Size: 1323 bp

RefSeq ORF: 822 bp

Locus ID: 51076

UniProt ID: Q9NTM9

Cytogenetics: 10q24.2

Gene Summary: Members of the CUT family of copper transporters are associated with copper homeostasis and are involved in the uptake, storage, delivery, and efflux of copper (Gupta et al., 1995 [PubMed 7635807]; Li et al., 2005 [PubMed 16182249]).[supplied by OMIM, Mar 2008]