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Product datasheet for SC206691

C19orf28 (MFSD12) (NM_021731) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	C19orf28 (MFSD12) (NM_021731) Human 3' UTR Clone
Symbol:	C19orf28
Synonyms:	C19orf28; PP3501
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_021731
Insert Size:	527 bp
Insert Sequence:	>SC206691 3'UTR clone of NM_021731 The sequence shown below is from the reference sequence of NM_021731. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TGGCCCAGGGAAGACTGGGGGACCCACTAGGCCAGGATGAGACCTGCACGCAGTGGCTCACAGCAGCAC GATTTGTGACAGCCCGAGGCGGAGAACACCGAACACCCAGTGAAGGTGAGGGGATCAGCACGGCGCCGC CACCGTGCTGGAACGAGACTCAGCCACAAGGAGGTGCGAAGCTCTGACCCAGGCCACAGTGCGGATGCA CCTTGAGGATGTCACGCTCAGTGAGAGACACCAGACACAGAAGGGTACGCTGTGATCCCACTTCTATGA AATGTCCAGGACAGACCAATCCACAGAATCAGGGAGAGGATTCGTGGGTGCCGGGACTGGGGAGGGGGA CCTGGGGGTGACTAGGTGACATAATGGGGACAGGGCTGCCTTCTGGGTGATGAGAATGTTCTGGAATCA GATGGGATGGCTGCACGGCGTGGTGAAGGTACTGAACGCCACCTCACTGTAAGACGGTAGATTTTGTAT TTTACCACAATAAACAAAACAAAACAAAACCAAACCAAACCCAA 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).

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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_021731.2
Summary:	Transporter that mediates the import of cysteine into melanosomes, thereby regulating skin pigmentation (PubMed:33208952). In melanosomes, cysteine import is required both for normal levels of cystine, the oxidized dimer of cysteine, and provide cysteine for the production of the cysteinyldopas used in pheomelanin synthesis, thereby regulating skin pigmentation (PubMed:33208952). Also catalyzes import of cysteine into lysosomes in non-pigmented cells (PubMed:33208952).[UniProtKB/Swiss-Prot Function]
Locus ID:	126321
MW:	19.7