

## Product datasheet for **SC215270**

### CFTR (NM\_000492) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	CFTR (NM_000492) Human 3' UTR Clone
Symbol:	CFTR
Synonyms:	ABC35; ABCC7; CF; CFTR/MRP; dj760C5.1; MRP7; TNR-CFTR
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000492
Insert Size:	1587 bp



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**Insert Sequence:** >SC215270 3'UTR clone of NM\_000492  
The sequence shown below is from the reference sequence of NM\_000492. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGAGGTGCAAGATACAAGGCTTTAGAGAGCAGCATAAATGTTGACATGGGACATTTGCTCATGGAATTG
GAGCTCGTGGGACAGTCACTCATGGAATTGGAGCTCGTGAACAGTTACCTCTGCCTCAGAAAACAAG
GATGAATTAAGTTTTTTTTTAAAAAAGAAACATTTGGTAAAGGGAATTGAGGACACTGATATGGGTCTT
GATAAATGGCTTCTGGCAATAGTCAAATTTGTGTGAAAGTACTTCAAATCCTTGAAGATTTACCACTT
GTGTTTTGCAAGCCAGATTTTCTGAAAACCTTGCCATGTGCTAGTAATTGGAAAGGCAGCTCTAAAT
GTCAATCAGCCTAGTTGATCAGCTTATTGTCTAGTAACTCGTTAATTTGTAGTGTGGAGAAGAACT
GAAATCATACTTCTTAGGGTTATGATTAAGTAATGATAACTGGAACTTCAGCGGTTTATATAAGCTTG
TATTCCTTTTTCTCCTCTCCCATGATGTTTAGAAACACAACATATTTGTTTGCTAAGCATTCCAAC
TATCTCATTTCCAAGCAAGTATTAGAATACCACAGGAACCACAAGACTGCACATCAAATATGCCCAT
TCAACATCTAGTGAGCAGTCAGGAAAGAGAAGTCCAGATCCTGGAAATCAGGGTTAGTATTGTCCAGG
TCTACAAAAATCTCAATATTTAGATAATCACAATACATCCCTTACCTGGGAAAGGGCTGTTATAATC
TTTCACAGGGGACAGGATGGTCCCTTGATGAAGAAGTTGATATGCCTTTTCCAACTCCAGAAAGTGA
CAAGCTCACAGACCTTTGAACTAGAGTTAGCTGGAAAAGTATGTTAGTGCAAATGTCACAGGACAGC
CCTTCTTCCACAGAAGCTCCAGGTAGAGGGTGTGTAAGTAGATAGGCCATGGGCACTGTGGGTAGACA
CACATGAAGTCCAAGCATTTAGATGTATAGGTTGATGGTGGTATGTTTTCAGGCTAGATGTATGACTT
CATGCTGTACACTAAGAGAGAATGAGAGACACACTGAAGAAGCACAATCATGAATGATTTTTATAT
GCTTCTGTTTTATAATTTGTGAAGCAAAATTTTTCTCTAGGAAATATTTATTTAATAATGTTTCAA
ACATATATAACAATGCTGTATTTTAAAAGAATGATTATGAATTACATTTGTATAAAAATAATTTTTATAT
TTGAAATATTGACTTTTTATGGCACTAGTATTTCTATGAAATATTATGTTAAAATGGGACAGGGGAGA
ACCTAGGGTGATATTAACCAGGGGCCATGAATCACCTTTTGGTCTGGAGGGAAAGCCTTGGGGCTGATGC
AGTTGTTGCCACAGCTGTATGATTTCCAGCCAGCACAGCCTTCTAGATGCAGTTCTGAAGAAGATGGT
ACCACCAGTCTGACTGTTTCCATCAAGGGTACACTGCCTTCTCAACTCCAACTGACTCTTAAGAAGAC
TGCATTATATTTACTGTAAGAAAATATCACTTGTCAATAAAATCCATACATTTGTGTGAAAACGCG
TAAGCGGCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCACGAGA
TTTCGATTCCACCGCCGCTTCTATGAAAGG
AGCGGACCGACTTACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCC
CAACCTGCCATCACGAGATTTTCGATTCCACCGCCG
```

**Restriction Sites:** SgfI-RsrII

**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\\_000492.4](#)

**Summary:**

This gene encodes a member of the ATP-binding cassette (ABC) transporter superfamily. The encoded protein functions as a chloride channel, making it unique among members of this protein family, and controls ion and water secretion and absorption in epithelial tissues. Channel activation is mediated by cycles of regulatory domain phosphorylation, ATP-binding by the nucleotide-binding domains, and ATP hydrolysis. Mutations in this gene cause cystic fibrosis, the most common lethal genetic disorder in populations of Northern European descent. The most frequently occurring mutation in cystic fibrosis, DeltaF508, results in impaired folding and trafficking of the encoded protein. Multiple pseudogenes have been identified in the human genome. [provided by RefSeq, Aug 2017]

**Locus ID:**

1080

**MW:**

64