

Product datasheet for **SC209154**

CBS (NM_000071) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: CBS (NM_000071) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: CBS
Synonyms: CBSL; HIP4
ACCN: NM_000071
Insert Size: 719 bp
Insert Sequence: >SC209154 3'UTR clone of NM_000071
The sequence shown below is from the reference sequence of NM_000071. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTGGCCGCCAGGAGCGGGACCAGAAGTGAAGTCCGGAGCGCTGGGCGGTGCGGAGCGGGCCGCCACC
CTTGCCCACTTCTCCTTCGCTTTCCTGAGCCCTAAACACACGCGTGATTGGTAAGTGCCTGGCCTGGCA
CCGTTATCCCTGCACACGGCACAGAGCATCCGTCTCCCCTCGTTAACACATGGCTTCTAAATGGCCCT
GTTTACGGCCTATGAGATGAAATATGTGATTTTCTCTAATGTAAGTTCCTCTTAGGATGTTTCACCAAG
GAAATATTGAGAGAGAAGTCGGCCAGGTAGGATGAACACAGGCAATGACTGCGCAGAGTGGATTAAGG
CAAAAGAGAGAAGAGTCCAGGAAGGGGGGAGGAGCCTGGGTGGCTCAGCATCTCCACGGGCTGCG
CCGTCTGCTCGGGGCTGAGCTGGCGGGAGCAGTTTGCCTGTTGGGTTTTTTAATTGAGATGAAATTCA
AATAACCTAAAAATCAATCACTTAAAAGTGAACAATCAGCGGCATTTAGTACATCCAGAAAGTTGTGTA
GGCACCACCTCTGTCACGTTCTGGAACATTCTGTCATCACCCCGTGAAGCAATCATTCCCCTCCCGTC
TTCCTCTCCCCTGGCAACTGCTGATCGACTTTGTGCTCTGTTGTCTAAATAGGTTTTCCCTGTTCT
GGACATTTCAATAAATGGAATCACACAA
AGCGGACCGACTTACGCGTAAGCGGCCGCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCC
CAACCTGCCATCACGAGATTTTCGATTCCACCGCCG
```

Restriction Sites: Sgfl-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).



[View online »](#)

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:	<u>NM_000071.3</u>
Summary:	The protein encoded by this gene acts as a homotetramer to catalyze the conversion of homocysteine to cystathionine, the first step in the transsulfuration pathway. The encoded protein is allosterically activated by adenosyl-methionine and uses pyridoxal phosphate as a cofactor. Defects in this gene can cause cystathionine beta-synthase deficiency (CBS), which can lead to homocystinuria. This gene is a major contributor to cellular hydrogen sulfide production. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Feb 2016]
Locus ID:	875
MW:	27