

## Product datasheet for SC202923

### Selenoprotein M (SELENOM) (NM\_080430) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Selenoprotein M (SELENOM) (NM\_080430) Human 3' UTR Clone  
**Symbol:** Selenoprotein M  
**Synonyms:** SELM; SEPM  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pMirTarget (PS100062)  
**ACCN:** NM\_080430  
**Insert Size:** 223 bp  
**Insert Sequence:** >SC202923 3'UTR clone of NM\_080430  
 The sequence shown below is from the reference sequence of NM\_080430. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
GAGGAACTTCGGACCACGCTGACCTGTAGTCCGGGGGCGCGCGGAGCTGGGACCTACCTGCCTGAG
TCCTGGAGACAGAATGAAGCGCTCAGCATCCCGGGAATACTTCTTCTGCTGAGAGCCGATGCCCGTCCC
CGGGCCAGCAGGGATGGGGTTGGGGAGGTTCTCCCAACCCCACTTCTTCTTCCCCAGCTCCACTAAA
TTCCCTCCTGCCTTAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**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\\_080430.4](#)


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<b>Summary:</b>	The protein encoded by this gene belongs to the selenoprotein M/SEP15 family. The exact function of this protein is not known. It is localized in the perinuclear region, is highly expressed in the brain, and may be involved in neurodegenerative disorders. Transgenic mice with targeted deletion of this gene exhibit increased weight gain, suggesting a role for this gene in the regulation of body weight and energy metabolism. This protein is a selenoprotein, containing the rare amino acid selenocysteine (Sec). Sec is encoded by the UGA codon, which normally signals translation termination. The 3' UTRs of selenoprotein mRNAs contain a conserved stem-loop structure, designated the Sec insertion sequence (SECIS) element, that is necessary for the recognition of UGA as a Sec codon, rather than as a stop signal. [provided by RefSeq, Dec 2016]
<b>Locus ID:</b>	140606
<b>MW:</b>	7.9