

Product datasheet for SC205030

SELK (SELENOK) (NM_021237) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SELK (SELENOK) (NM_021237) Human 3' UTR Clone
Symbol:	SELK
Synonyms:	HSPC030; HSPC297; SELK
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_021237
Insert Size:	1171 bp
Insert Sequence:	>SC205030 3'UTR clone of NM_021237 The sequence shown below is from the reference sequence of NM_021237. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
CCTCCAATGGCTGGTGGATGAGGAAGGTAATGTCTGCTCTAAGAAGCAGACAACCGGACATGCGCATT
CATAGCAGAAGGAAACCATCAAGAAGTGAAGGCTGACCATGATGAGCAGTAGATGAATGTGTATGTCT
AAACAAGGACTGCTCTGTGCTCACAGATGAATGAGGTCATGCTGGGAATCCCTCTGCAGGGAACCTG
GCCTGACTGACATGCAGTCCATAAATGCAGATGTTTGTCTCATTACCTTTTGTATAGTTTATTAAAG
TATTAATATAGTTTTAATAAGTAAATATTTTTAGGTTGCAGAATGGAAGTCTCATCTTTATATTCACGA
AAAAGCAATCTGAAGAAAACAAATAAAAGCCTGTGTATTTAGCACTGTTAGTGTCACCTTTTCAACTTC
TGAAACACTGTTCAATTGTTAACTTTTTCTCATTATAAATCACTGTATTTATTTAGTAGATGCATAG
CATATCTGTGCTCTTGAATTAATTTTTATCTTTAACATATTTGTCTCATCAATCTTTAATACACTGTGT
CTAATTTGCTACCAATGTAAATATCAGGGTATTTATAAAACCATAGCTAACAAACTGAGCTACAAAA
TGAAAATTTACTAAATAGTTTTTAAATCATGGACTTCAGCCTGGCGCGGTGGCTCATGCCTGTAATCC
CAGCACTGTGGGAGGCTGAGGCGGGCAGATCGCCTAAGTTCACGAGTTTGAGACCAGCCTGCAGCATGA
CGAAACCTAAAAAACAATAAATAGCCAGGCGTGGTAGAGTGCACCTGTAATCCCTGCTACTCAGGAGG
CGGAGGCAGGAGAATCGCTTCAACCCGGGAGGCGGAGGTTGCTGTGAGCATGCCACTGCACTCCTGCCT
AGGCAACAGAGTGAGACCCTGTCTCAAAAAAATAAATAAAACCATGGGCTTCCATGCTATCTTGACAAA
TTTGCACTCTATAGCATCACTCAAAATACTGCCTATTGGCTTTAACTCCATCTGAATACTGATACTT
TCACATTCTTTCACTAGAGTGGAAGCTCTGAGACTAGGAATTTTGTGTCTTTACCCAGTCCTTTGAA
TAGTGACTACATGTAAGATAGTCATGTAGTATTTATTGGAATAAATATTTATTGGAAAAACGAAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
```


[View online »](#)

Restriction Sites:	Sgfl-Mlul
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:	<u>NM_021237.5</u>
Summary:	The protein encoded by this gene belongs to the selenoprotein K family. It is a transmembrane protein that is localized in the endoplasmic reticulum (ER), and is involved in ER-associated degradation (ERAD) of misfolded, glycosylated proteins. It also has a role in the protection of cells from ER stress-induced apoptosis. Knockout studies in mice show the importance of this gene in promoting Ca(2+) flux in immune cells and mounting effective immune response. 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. Pseudogenes of this locus have been identified on chromosomes 6 and 19.[provided by RefSeq, Aug 2017]
Locus ID:	58515
MW:	44.8