

Product datasheet for MR200234

Selenok (NM_019979) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Selenok (NM_019979) Mouse Tagged ORF Clone
Symbol: Selenok
Synonyms: 30kD; 1110001C03Rik; AA673253; Hsp30; HSPC0; HSPC030; Se; Selk
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200234 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTTTACATCTCGAATGGTCAGGTGTTGGACAGCAGGAATCAGTCCCATGGAGAGTGTCTTTCCTAA
 CAGACTTCTTCTGGGAATAGCAGAATTCGTGGTTTTCTTTTCAAACCTCTGCTTCAGCAAGATGTGAA
 GAAAAGAAGAGGCTACGGGAGCTCCTCTGATTCCAGATACGACGATGGAAGAGGGCCACCAGGAAACCT
 CCGCGAAGAATGGGTAGGATCAGTCACCTTCGTGGCCCCAGCCCTCCTCCAATGGCTGGTGGATGAGGAA
 GG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200234 protein sequence
 Red=Cloning site Green=Tags(s)
 MVYISNGQVLDSRNQSPWRVSFLTDFFWGIAEFVVFVKTLQDQVKKRRGYGSSSDSRYYDDGRGPPGNP
 PRRMGRISHLRGSPPPMAGG*GR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

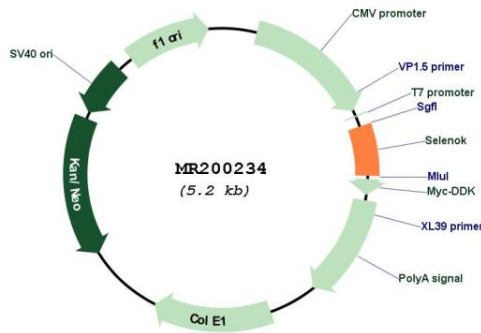


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RefSeq ORF: 285 bp
 Locus ID: 80795
 UniProt ID: [Q9JLJ1](#)
 Cytogenetics: 14 A3
 Gene Summary:

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. Multiple pseudogenes of this locus have been identified. [provided by RefSeq, Sep 2017]

Product images:



Circular map for MR200234