

Product datasheet for **RR202300**

Selenbp1 (NM_080892) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Selenbp1 (NM_080892) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Selenbp1
Synonyms:	Selenbp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR202300 representing NM_080892
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTACAAAATGCACAAAGTGTGGTCCAGGTTATGCGACCCCTCTGGAGGCCATGAAAGACCCCGAG
 AGGAGATTGTCTACTTGCCTGCATTTACCGAAACACAGGCATTGAAGCCCCGATTATTTGGCCACAGT
 GGATGTTGACCCCAAGTCTCCCCATTATAGCCAGGTCATCCATAGGCTGCCCATGCCACACCTGAAGGAC
 GAGCTGCACCACTCAGGGTGAACACCTGCAGTAGCTGCTTTGGGGACAGCACCAAGTCACGCGACAAGC
 TGATACTGCCAGCATCATCTCTCCCGCATCTATGTGGTGGATGTGGGCTCTGAGCCTCGTCCCCGAA
 GTTGACAAAGTCAATGAGCCCAATGAAATCCATGCCAAGTGCAACCTGGGCAATCTGCACACCAGCCAC
 TGCTGGCCAGCGGAGAGGTGATGATCAGCTCCTTGGGGGATCCCAGGGGAATGGCAAAGGGGTTTTG
 TGCTGCTGGATGGGAGACCTTCGAGGTGAAAGGGACGTGGGAGAAGCCTGGGGGTGAAGCTCCAATGGG
 CTATGACTTCTGGTACCAGCCTCGACACAACATCATGGTCAGCACTGAATGGGCAGCTCCAATGTCTTC
 AAAGATGGCTTCAACCTGCTCATGTGGAGGCTGGGCTGTATGGGAGCCATACATGTGTGGGACTGGC
 AGCGACATGAGATTATCCAGACCCTGCAATGAAAGATGGGCTGATCCCCCTGGAGATCCGCTTCTGCA
 CGACCCAGATGCCACCCAGGGCTTTGTAGGCTGCGCCCTCAGCTCCAACATCCAGCGCTTCTACAAGAA
 GAGGGAGGCACCTGGTCACTGGAGAAGGTGATCCAGGTGCCCTCCAAGAAAGTGAAGGGCTGGATGTTGC
 CAGAAATGCCTGGTTTGATCACCAGCATCTTGTGTCCCTGGATGACCGCTTCTCTACTTCAGCAACTG
 GCTGCACGGGGACATTCGGCAGTATGACATCTTAACCCGAAGAAGCCTCGCCTCACTGGGCAGATCTTC
 CTTGGGGGACAGCATTGTTAAAGGAGGCTCTGTACAAGTCTGGAGGCTCAGATGATCCAGCTCAGTTAGATGGAA
 AGCCCCTAGTGGTCAAGGGAAAACGAGTTCCTGGAGGCTCAGATGATCCAGCTCAGTTAGATGGAA
 GCGTCTTTACGTCACTACATCACTGTACAGCGCCTGGGACAAGCAGTTTTACCCTAATCTCATTAGGGAA
 GGCTCTGTGATGCTGCAATTGATGTAGATACAGCAAATGGAGGGCTGAAGTTGAACCCCACTTTCTGG
 TGGACTTTGGAAAGAGCCTCTTGGGCCAGCACTGGCTCATGAGCTTCGTACCCAGGGGTGATTGCAG
 TTCTGACATCTGGATC

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202300 representing NM_080892
 Red=Cloning site Green=Tags(s)

MATKCTKCGPYATPLEAMKGPREEIVYLPCIYRNTGIEAPDYLATVDVDPKSPHYSQVIHRLPMPHLKD
 ELHHSWNTCSSCFGDSTKSRDKLILPSIISSRIYVVDVGSEPRAPKLHKVIEPNEIHAKCNLGNLHTSH
 CLASGEVMISLGDQPQNGKGGFVLLDGETFEVKGTEKPGGEAPMGYDFWYQPRHIMVSTEWAAPNVF
 KDGFNPAHVEAGLYGSHIHVWDQRHEIIQTLQMKDGLIPLEIRFLHDPDATQGFVGCALSSNIQRFYKN
 EGGTWSVEKVIQVPSKKVKGWMLPEMPGLITDILLSLDDRFLYF SNWLHGDIRQYDISNPKKPRLTGQIF
 LGGIVKGGSVQVLEDQELTCQPEPLVVKGRVPGGPQMIQLSLDGKRLVYVTTSLYSAWDKQFYPNLIRE
 GSYMLQIDVDTANGGLKLNPNFLVDFGKEPLGPALAHELRYPGGDCSSDIWI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

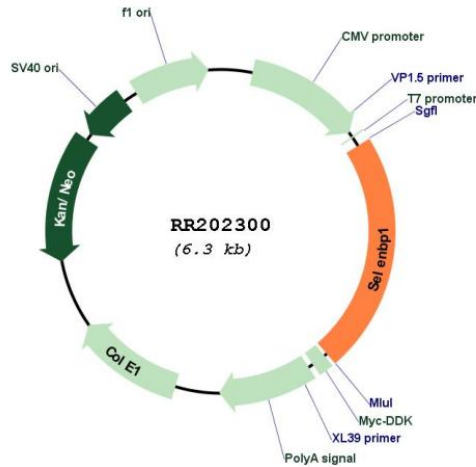
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_080892

ORF Size:

1416 bp

OTI Disclaimer:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:

This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_080892.1](#), [NP_543168.1](#)

RefSeq Size: 1685 bp

RefSeq ORF: 1419 bp

Locus ID: 140927

UniProt ID: [Q8VIF7](#)

Cytogenetics: 2q34

MW: 52.5 kDa

Gene Summary: mouse homolog is a selenium-binding protein; may be involved in mediating anti-carcinogenic effects [RGD, Feb 2006]