

Product datasheet for **SC322261**

Selenium Binding Protein 1 (SELENBP1) (NM_003944) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Selenium Binding Protein 1 (SELENBP1) (NM_003944) Human Untagged Clone
Tag:	Tag Free
Symbol:	Selenium Binding Protein 1
Synonyms:	EHMTO; HEL-S-134P; hSBP; LPSB; MTO; SBP56; SP56
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for SC322261
 CACCAGCACAGCAAACCCGCCGGGATCAAAGTGTACCAGTCGGCAGCATGGCTACGAAAT
 GTGGGAATTGTGGACCCGGCTACTCCACCCCTCTGGAGGCCATGAAAGGACCCAGGGAAG
 AGATCGTCTACCTGCCCTGCATTTACCGAAACACAGGCACTGAGGCCCCAGATTATCTGG
 CCACTGTGGATGTTGACCCCAAGTCTCCCAGTATTGCCAGGTCATCCACCGGCTGCCA
 TGCCCAACCTGAAGGACGAGCTGCATCACTCAGGATGGAACACCTGCAGCAGCTGCTTCG
 GTGATAGCACCAAGTCGCGCACCAAGTGGTGTGCCAGTCTCATCTCCTCTCGCATCT
 ATGTGGTGGACGTGGGCTCTGAGCCCCGGGCCCAAGCTGCACAAGGTATTGAGCCCA
 AGGACATCCATGCCAAGTGCGAAGTGGCCTTTCTCCACACCAGCCACTGCCTGGCCAGCG
 GGGAAAGTGATGATCAGCTCCCTGGGAGACGTCAAGGGCAATGGCAAAGGGGGTTTTGTGC
 TGCTGGATGGGGAGACGTTTCAGAGTGAAGGGGACATGGGAGAGACCTGGGGGTGCTGCAC
 CGTTGGGCTATGACTTCTGGTACCAGCCTCGACACAATGTCATGATCAGCACTGAGTGGG
 CAGCTCCCAATGTCTTACGAGATGGCTTCAACCCCGCTGATGTGGAGGCTGGACTGTACG
 GGAGCCACTTATATGTATGGGACTGGCAGCGCCATGAGATTGTGCAGACCCTGTCTCTAA
 AAGATGGGCTTATCCCTTGGAGATCCGCTTCTGCACAACCCAGACGCTGCCAAGGCT
 TTGTGGGCTGCGCACTCAGCTCCACCATCCAGCGCTTCTACAAGAACGAGGGAGGTACAT
 GGTCAAGTGGAGAAGGTGATCCAGGTGCCCCCAAGAAAGTGAAGGGCTGGCTGCTGCCCG
 AAATGCCAGGCCTGATCACCGACATCCTGCTCTCCCTGGACGACCGCTTCTCTACTTCA
 GCAACTGGCTGCATGGGGACCTGAGGCAGTATGACATCTCTGACCCACAGAGACCCCGCC
 TCACAGGACAGCTCTTCTCGGAGGCAGCATTGTTAAGGGAGGCCTGTGCAAGTGTGG
 AGGACGAGGAACTAAAGTCCCAGCCAGACCCCTAGTGGTCAAGGGAAAACGGGTGGCTG
 GAGGCCCTCAGATGATCCAGCTCAGCCTGGATGGGAAGCGCCTTACATCACACGTCGCG
 TGTACAGTGCCTGGGACAAGCAGTTTTACCCTGATCTCATCAGGGAAGGCTCTGTGATGC
 TGCAGGTTGATGTAGACACAGTAAAAGGAGGGCTGAAGTTGAACCCCAACTTCTGGTGG
 ACTTCGGGAAGGAGCCCTTGGCCAGCCCTTGCCCATGAGCTCCGCTACCCTGGGGGCG
 ATTGTAGCTCTGACATCTGGATTTGAACTCCACCCTCATCACCCACACTCCCTATTTTGG
 GCCCTCACTTCTTGGGGACCTGGCTTCACTTCTGCTCTCTTGGCACCCGACCCCTGGC
 AGCATGTACCACAGCCAAGCTGAGACTGTGGCAATGTGTTGAGTCATATACATTTACT
 GACCACTGTTGCTTGTGCTCACTGTGCTGCTTTCCATGAGCTCTTGGAGGCACCAAGA
 AATAAACTCGTAACCCTGTCTTCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_003944

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_003944.2](#), [NP_003935.2](#)

RefSeq Size: 1721 bp

RefSeq ORF: 1419 bp

Locus ID: 8991

UniProt ID: [Q13228](#)

Cytogenetics: 1q21.3

Gene Summary: This gene encodes a member of the selenium-binding protein family. Selenium is an essential nutrient that exhibits potent anticarcinogenic properties, and deficiency of selenium may cause certain neurologic diseases. The effects of selenium in preventing cancer and neurologic diseases may be mediated by selenium-binding proteins, and decreased expression of this gene may be associated with several types of cancer. The encoded protein may play a selenium-dependent role in ubiquitination/deubiquitination-mediated protein degradation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Apr 2012]
Transcript Variant: This variant (1) encodes isoform 1.