

Product datasheet for **SC330657**

Selenium Binding Protein 1 (SELENBP1) (NM_001258289) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Selenium Binding Protein 1 (SELENBP1) (NM_001258289) Human Untagged Clone
Tag: Tag Free
Symbol: Selenium Binding Protein 1
Synonyms: EHMT0; HEL-S-134P; hSBP; LPSB; MTO; SBP56; SP56
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330657 representing NM_001258289.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAGGCTGGAGTGGGACCTAGGCCAGCCGACTGCCGTGGCCCCTGGGATGTGTGCTGCAGAACGT
GCGGAGGGAGCCTTCACCCTCCAGAGCGTGGCCAGCCAATGCGCCCCATTGCTCCACAGCTACGAAA
TGTGGGAATTGTGGACCCGGCTACTCCACCCTCTGGAGGCCATGAAAGGACCCAGGGAAGAGATCGTC
TACCTGCCCTGCATTTACCGAAACACAGGCACTGAGGCCCCAGATTATCTGGCCACTGTGGATGTTGAC
CCCAAGTCTCCCAGTATTGCCAGGTATCCACCAGGCTGCCATGCCAACCTGAAGGACGAGCTGCAT
CACTCAGGATGGAACACCTGCAGCAGCTGCTTCGGTGATAGCACCAAGTCGCGCACCAAGCTGGTGCTG
CCCAGTCTCATCTCCTCTCGCATCTATGTGGTGGACGTGGGCTCTGAGCCCCGGGCCCAAGCTGCAC
AAGGTCATTGAGCCCAAGGACATCCATGCCAAGTGCGAACTGGCCTTTCTCCACACCAGCCACTGCCTG
GCCAGCGGGGAAGTGATGATCAGCTCCCTGGGAGACGTCAAGGGCAATGGCAAAGGGGGTTTTGTGCTG
CTGGATGGGGAGACGTTTCGAGGTGAAGGGGACATGGGAGAGACCTGGGGGTGCTGCACCGTTGGGCTAT
GACTTCTGGTACCAGCCTCGACACAATGTCATGATCAGCACTGAGTGGGACGCTCCCAATGTCTTACGA
GATGGCTTCAACCCCGCTGATGTGGAGGCTGGACTGTACGGGAGCCACTTATATGTATGGGACTGGCAG
CGCCATGAGATTGTGCAGACCCTGTCTCTAAAAGATGGGCTTATCCCTTGGAGATCCGCTTCTGCAC
AACCCAGACGCTGCCAAGGCTTTGTGGGCTGCGCACTCAGCTCCACCATCCAGCGTTTACAAGAAC
GAGGGAGGTACATGGTCAAGTGGAGAAGGTGATCCAGGTGCCCCCAAGAAAGTGAAGGGCTGGCTGCTG
CCCGAAATGCCAGGCTGATCACCGACATCCTGCTCTCCCTGGACGACCGCTTCTCTACTTACGCAAC
TGGCTGCATGGGACCTGAGGCAGTATGACATCTCTGACCACAGAGACCCCGCCTCACAGGACAGCTC
TTCCTCGGAGGCAGCATTGTTAAGGGAGGCCCTGTGCAAGTGTGGAGGACGAGGAACTAAAGTCCCAG
CCAGAGCCCTAGTGGTCAAGGGAAAACGGGTGGCTGGAGGCCCTCAGATGATCCAGCTCAGCCTGGAT
GGGAAGCGCCTACATACCACGTCGCTGTACAGTGCCTGGGACAAGCAGTTTTACCCTGATCTCATC
AGGAAGGCTCTGTGATGCTGCAGGTTGATGTAGACACAGTAAAAGGAGGGCTGAAGTTGAACCCCAAC
TTCTGTTGGACTTCGGGAAGGAGCCCCTTGGCCAGCCCTTGCCATGAGCTCCGCTACCTGGGGGC
GATTGTAGCTCTGACATCTGATTGA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001258289
Insert Size: 1545 bp



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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).
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:	<ol style="list-style-type: none">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:	<u>NM_001258289.1</u>
RefSeq Size:	1977 bp
RefSeq ORF:	1545 bp
Locus ID:	8991
UniProt ID:	<u>Q13228</u>
Cytogenetics:	1q21.3
MW:	56.9 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site in the 5' region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) is longer and has a distinct N-terminus, compared to isoform 1.</p>