

Product datasheet for **SC330656**

Selenium Binding Protein 1 (SELENBP1) (NM_001258288) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Selenium Binding Protein 1 (SELENBP1) (NM_001258288) Human Untagged Clone
Tag:	Tag Free
Symbol:	Selenium Binding Protein 1
Synonyms:	EHMTO; HEL-S-134P; hSBP; LPSB; MTO; SBP56; SP56
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330656 representing NM_001258288. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCTACGAAATGTGGGAATTGTGGACCCGGCTACTCCACCCTCTGGAGGCCATGAAAGGACCCAGG
GAAGAGATCGTCTACCTGCCCTGCATTTACCGAAACACAGGCACTGAGGCCCCAGATTATCTGGCCACT
GTGGATGTTGACCCCAAGTCTCCCAAGTATTGCCAGGTCATTGAGCCCAAGGACATCCATGCCAAGTGC
GAACTGGCCTTTCTCCACACCAGCCACTGCCTGGCCAGCGGGGAAGTGATGATCAGCTCCCTGGGAGAC
GTCAAGGGCAATGGCAAAGGGGGTTTTGTGCTGCTGGATGGGAGACGTTTCGAGGTGAAGGGGACATGG
GAGAGACCTGGGGGTGCTGCACCGTTGGGCTATGACTTCTGGTACCAGCCTCGACACAATGTCATGATC
AGCACTGAGTGGGAGCTCCCAATGTCTTACGAGATGGCTTCAACCCCGCTGATGTGGAGCTGGACTG
TACGGGAGCCACTTATATGTATGGGACTGGCAGGCCATGAGATTGTGCAGACCCCTGTCTCTAAAAGAT
GGGCTTATTCCTTGGAGATCCGCTTCTGCACAACCCAGACGCTGCCAAGGCTTTGTGGGCTGCGCA
CTCAGTCCACCATCCAGCGCTTCTACAAGAACGAGGGAGGTACATGGTCAGTGGAGAAGGTGATCCAG
GTGCCCCCAAGAAAGTGAAGGGCTGGCTGCTGCCGAAATGCCAGGCCTGATCACCGACATCCTGCTC
TCCCTGGACGACCGCTTCTCTACTTACGAACTGGCTGCATGGGACCTGAGGCAGTATGACATCTCT
GACCCACAGACCCCGCTCACAGGACAGCTTCTCCTCGGAGGCAGCATTGTTAAGGGAGGCCCTGTG
CAAGTGTGGAGGACGAGGAAGTAAAGTCCCAGCCAGAGCCCTAGTGGTCAAGGGAAAACGGGTGGCT
GGAGGCCCTCAGATGATCCAGCTCAGCCTGGATGGGAAGCGCCTTACATCACACGCTCGCTGTACAGT
GCTGGGACAAGCAGTTTTACCCTGATCTCATCAGGGAAGGCTCTGTGATGCTGCAGTTGATGTAGAC
ACAGTAAAAGGAGGGCTGAAGTTGAACCCCAACTTCTGGTGGACTTCGGGAAGGAGCCCTTGGCCCA
GCCCTTGCCCATGAGCTCCGCTACCCTGGGGCGATTGTAGCTCTGACATCTGGATTGA

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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001258288
Insert Size:	1233 bp
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).



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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_001258288.1</u>
RefSeq Size:	1582 bp
RefSeq ORF:	1233 bp
Locus ID:	8991
UniProt ID:	<u>Q13228</u>
Cytogenetics:	1q21.3
MW:	45.5 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 (2) lacks an exon in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>