

Product datasheet for **SC124766**

SECISBP2L (NM_014701) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SECISBP2L (NM_014701) Human Untagged Clone
Tag:	Tag Free
Symbol:	SECISBP2L
Synonyms:	SBP2L; SLAN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124766 sequence for NM_014701 edited (data generated by NextGen Sequencing)

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ATGGACCGAGCCCCACGGAGCAGAATGTCAAGCTGTCAGCTGAGGTGGAGCCATTTATT
CCCCAGAAGAAGAGTCCCTGATACATTTATGATCCCTATGGCTCTCCCAAATGATAATGGA
AGTGTCTTCTGGTGTGGAACCAACTCCAATTCACAGCTACCTGATTACTTGTACCATT
GTGCAGGAAAACAGTCCAATAGACAGTTTCCTTTATATAACAATGATATACGATGGCAA
CAACCCAAATCCAAACCCTACTGGACCATACTTTGCCTATCCCATTATATCTGCTCAGCCG
CCTGTTTCTACAGAGTATACATATTATCAGCTGATGCCAGCACCATGTGCCCAGTTATG
GGTTTCTATCATCTTTTCTACACCTTACTCCAACACCTTTTCAGGCTGCAAATACTGTA
AATGCTATCACCACAGAATGCCTGAGCGTCCAAGTCAGCTTGGACAGGTCTTCCCATTG
TCCAGCCATCGAAGCAGAAACAGTAACAGAGGATCAGTGGTCCCAAAACAACAGCTTTTA
CAACAGCACATAAAAAGCAAAAGCCGCTGGTGAAAAATGTAGCTACTCAGAAAGAAACA
AATGCAGCAGGTCTGATAGTCGATCAAAAATTGTGCTTCTGGTAGATGCTTACAGCAA
ACTGATTTCCCATCAGATATCGCTAACAAGTCTCTCTCAGAGACCACTGCAACAATGCTC
TGGAAGTCCAAGGGCAGGAGAAGAAGAGCATCCCACCCTACTGCTGAATCTTCTAGTGAG
CAGGGGGCTAGTGAAGCCGACATTGACAGTGATAGTGGTACTGCAGTCCCAAACACAGC
ACAACCAGCCTGCAGCAGGGGCTTTGAGAAATCCTGATTCTGGGACCATGAATCATGTG
AAAAACCTTGGATGGAACAAAAATCAGACATTTTCTAGAGTGGAAGGCAAACTGAACAA
AGAAATAATTACAGGATGAAGATGGGTTTCAAGAACTAAATGAGAATGGAAATGCTAAG
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CCAATCAATATAGTTCAGACTCCAATTCCTATTACCACCTCAGTTCACAAACGTGCAAAA
AGTCAGAAGAAGAAAGCTTTAGCAGCAGCCCTTGCCACAGCTCAAGAGTATTCAGAAATA
AGTATGGAGCAAAAAAATACAGGAAGCTTTATCAAAAGCAGCTGGAAAAAAGAATAAA
ACACCTGTGCAGCTAGATTTAGGGGACATGTTAGCTGCTCTGGAAAAACAACAGCAAGCA
ATGAAAGCACGGCAAATTAACACCAGACCTCTGTCATATACAGTGGTACTGCAGCT
TCTTTTCACTAAAGACTCTACTAATAGAAAACCTTTAACCAAAAGTCAGCCCTGTTTG

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ACATCCTTTAATTCTGTGGACATTGCTTCTTCTAAAGCAAAAAAGGAAAAGAGAAGGAA
ATTGCAAAACTAAAACGACCCACAGCACTTAAAAAGGTTATTTTAAAAGAAAAGAGAGGAA
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CCTGTGTACAAGGCTCTCCTGCTAGTTCTGGAATAGGCAGTCCAATGGCATCTTCAACA
ATAACCAAAATCCACAGCAAAAAGATTTAGAGAGTATTGTAATCAGGTTCTTTGTAAGAG
ATTGATGAATGTGTGACTCTTCTTCCAAAGAGCTTGTCAGTTTCCAGGAACGCATCTAC
CAAAAAGATCCTGTAAGAGCAAAAAGCAAGGAGACGACTCGTTATGGGTCTAAGAGAAGTT
ACCAAACATATGAAGTTAAACAAGATCAAGTGTGTTATAATTTCTCCAACTGTGAAAA
ATCCAGTCAAAAGGTGGTCTGGATGAGGCTCTCTATAATGTTATAGCCATGGCACGGAA
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CATTCTCGGAATCCCTCTGCAGCAAGTGCCATTTCTTTCTGCAGTGTATTCTGAACCCG
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CCCATATCTGTAGAAGTGCAGCTCAATAGTAGAATTGAGTCTTGGGTCTCAGAGACCCAG
AGAACTATGGAACCCCTTCAAGCTTGGAAAAACCCCTTAAATGGTTCTGAGGAAGACAATGTA
GAGCAAAGTGGAGAAGAGGAAGCAGAGGCGCTGAGGTGCTGGAGCCAGGGATGGACAGT
GAGGCATGGACTGCTGACCAGCAGGCCAGTCTGGGCAGCAGAAGTCCAGCAACTGCAGC
TCGCTCAACAAAGAGCACTCTGATTCTAATTACACAACGCAAACTACGTA

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Clone variation with respect to NM_014701.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_014701 unedited
ACTATAGGGCGGCGCGAATTCGCACGAGGGCCATTCGGGCCCTCCTCGGCTTCCGTCC
CANATGATCCCTCCCGAAGCTGCCACCGCCTCCTCCATCTCCCGGAGCTGGAGCCGCT
CCTCGGCCAGTGGCGTAGCCGAATCGGTGTGCGGCCAGCCAGATAGGGGCGGAGGTCCG
GAACCCAGTCTGGACCCGAGCGGGGGCCATGGATAAAGCGGCCCGAGGCGCTGTTTACA
CCGACTAGCGGGGCCGTTGCGGCTGCAGGCACCATGGACCGAGCCCCACGGAGCAGA
ATGTCAAGCTGTGAGCTGAGGTGGAGCCATTTATCCCCAGAAGAAGTCTGTATACAT
TTATGATCCCTATGGCTCTCCAAATGATAATGCGAAGTGTCTGGTGTGGAACCAACT
CCAATTCACGCTACCTGATTACTTGTACCCATTTGTGCAAGGAAAACAGTCCAATAGA
CAGTTTCTTTATATAACAATGATATACGATGGCAACAACCAATCCAAACCTACTGGA
CCATACTTTGCCTATCCCATATATCTGCTCAGCCGCTGTTTCTACAGAGTATACATAT
TATCAGCTGATGCCAGCACCATGTGCCAGGTTATGAGGTTTCTATCATGCTTTTACTAC
ACCTTACTCCAACACCTTTTCACTGTCANATACTGGTAATGCTATCACCACAGAATGGCA
CTGAGCGTCCAAGTCACTTGGACAGGTTTCCATTGTCCAGCCTCGAGCAGAAGTAC
AGAGGATCAGTGGTNCCAATCACAGCTTCCACACAGCCATAAACCAAGGGGGGGCGGTG
GGAAAAATGTAGTCTCAGAAGAATGCCCCG

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014701 unedited AGCTTGACGCGCCGCGCATTCTANATCGAGNCNTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTAAAAACTAAGGGGGCATATTTAAAAATTAATTAAAAAATC CAAATCCTTTAAAGGGGGGAGGGGCCACCAAAATTTAAATTTCTCATTGGGATTCAA TTTCAAATTAGGCAACCCGTTGGGTTGATTCTGAGATGTATGAAAAGTTGGAAGGGATG AGGGAGGAGGAAAATGCCTGTAATAAATAATTTCACAAAATTTTTTAAATCAAAAAA GATAAAAAATTTTTAAAGGAGCCGAGGTTCTAACCTGGTGGCCCAACCTCCAAAAATCCC TGACAGGGGGTTTTTTTTTTTTAAGCAACCAGCCGTTTTACAAACAGAACACCTTTTTT ACCCTATATTAAGTACCACTGGGTTAAAATAGACCCGTTCCATGTAAAAGAGTTGAAAA GGAGTGTCCAATTCATTTATTGGCACCTTTAAATCCCANCCCTTCTCCTCCCN TTTTATTTAAAAATCAACACGGCCCATATTTGAAATTAATTCCTCAGAATTAACCA GGGGAAATCCCTTTGAACAAATTTTTTCCAAAACCTGGGAAACATATAAAAAACCTT TTTCGAAAAACAACCTCCACAGCAAGACCCCGAAAAACCTTCTATATGTATACCAAC CCCATTTCTGTTCCACTTTTTAGCCCCAAAGAAAAAATTTCCCTGTTGTTGAGAA CCCCTTTTTTAAACGCCGACAATTTACCCTCAAATCGAACTCTCGGTTTTTTGAGAA AAAAATTTTACACGCAACAAAACCTCTGTGGAGGCAAAACCCCTTGTGCAAGGGAC TCCTATTTAATAAAAACCCCCCAACCCCGAAAAAAATCCTATTTTATTATTGCCC AGAAACACACCCTCTACAATATAAAG
Restriction Sites:	NotI-NotI
ACCN:	NM_014701
Insert Size:	7370 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).
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:	NM_014701.2, NP_055516.2
RefSeq Size:	6779 bp
RefSeq ORF:	3171 bp
Locus ID:	9728
UniProt ID:	Q93073
Cytogenetics:	15q21.1

Gene Summary:

Binds SECIS (Sec insertion sequence) elements present on selenocysteine (Sec) protein mRNAs, but does not promote Sec incorporation into selenoproteins in vitro.

[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) lacks an in-frame exon in the CDS compared to variant 1. The resulting isoform (2) is shorter and lacks an internal segment compared to isoform 1.