

Product datasheet for **MC222169**

Secisbp2 (NM_029279) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Secisbp2 (NM_029279) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Secisbp2
Synonyms:	2210413N07Rik; 2810012K13Rik; SB; SBP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222169 representing NM_029279
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTCGGAGCGGCCGCGGGAGCCGGACGGCGAGGATAGCATCAAGTTGTCAGCTGATGTCAAACCAT
 TCGTCCCTAAGTTTGTCTGGGCTCAACGTGGCGTGGTCAGAGTCCCTCAGAGACACGTGCTTCCCAGGCTG
 TCGCGCCACCTACTATCCATTTGTACAGGAACCCAGCAGCTGAACAGAAAAATGTATCCCGAAGACATG
 GCTTTTCGGAGCCCCACCTTTCCAGCACAGTACGTGTCTTCTGAGATAGCGCTGCATCCTTTTGCCTATC
 CCACCTTACACCCTAGAGTCCGCACAGAGTGTGGTCTCAGTGCCAACCCTGCAGTACGACTACAGCCAAGC
 ACGGTGTCACCCAGGCTTTTCGGACAGCAAAGCCCGCATGAGCACGTGTGCCCTCCACCTCAGGAAGCA
 AAAGGTGATTTAAGAAAAAACCTCTGATGAGAGAAGAGCATGTGAAGAGCAAAAGTCAAGCAGCAGAA
 GGGCTGACAATGCGGTGCCCTGTGAGGCGAGACCAGCCAGGGGGTCCAGTCACTGTCTCTCGAACTGA
 GAGCAGTTTGAATCTGATGGTTACCACAAGCGACCCGACCGCAAGTCCAGAATCCTTTCGAAGAGTGCA
 TCTACCTCTAAACCTGAATTTGAGTTTAGTAGGTTAGACTTTCCTGAACTGCAGAGTCCAAAGAACAGTA
 ACATGCCAGAGACACAGAAGCCGCCAGGTGGGGGCTCTTGGCCCTGCTGCCAGTAACATGCCCTCTCT
 AGGAGACGTGCGCAAGCCGTGCGAGATATGGTAGAGGGCAAAATGGTGAAGAGCGATCACACTGATGGA
 GCTGTGACCAGTAATGCCACTACCAGTTCCTTTCATGTACCCAAGAGTTGTCTTGGACACCAATGGGTT
 ATATTGTTTCGGCAGACAGTGTCTTCAGATTTCAGCAGCAGCCACTGAAAATGTGACTTCCATGATAAACT
 AAAGAAGACTACTTCATCAGCTGATGCTAAAAATGTTAGTGTGACATCTGAGGCTTTATCTTCAAATCCT
 TCCTACAACAGAGAAAAGCGTGTATCCTGCTCCAAAGGCCAAAGCATCACAAGGAGGTGAACCTGAAC
 AAAACGAAAGCTCCAAAAAGAATAAGAAAAAGAAAGAGAAGTCTAAACCGAGTTATGAAGTCTCGACGGT
 TCAGGAGCCGCCAAGGATTGAAGATGCAGAGGAATTCCTCAACCTGTCAAGTTGCGTTCGGAAGAAGACAC
 AGAGGGCAATCACCGAAGCTTCACAGTAAACAGCAGACGAGAATGAATTTAAAAAAGTGGGAAGAAGA
 GCCAGGTCCCAGTGCAGCTGGACCTGGGGGCGATGCTGGCCGCGCTGGAGAAGCAGCAGCAGCAGCAGCA
 CGCCTCGCAGCCAAAGCCATCCTCCAGACCCGTCGTGTTCTCAGTTGGAGCAGTGCAGTCTGTCCAAG
 GATGCCCTCTCCAGTGCAGAGGGGACGCCGCTCCAGTGCAGTGAAGACCCACACAACCCCTGGACTCCA
 GTGCCCCCTGATGAAGAAGGGGAAGCAGAGGGAGATACCTAAGGCCAAGAAGCCCACTACTGAAGAA
 GATAATTTTGAAGAACGGCAAGAGAGGATGCAGCAGCGACTCCAAGAAAGTGTGTGAGCCTGACGGTG
 GCCAGTGCAGTGCAGGATGTGGAGAGTGGCGCCAGTAAACCAACCCCAAGTGCAGGACAAACCCACAG
 GTCCAGAGAAGACAGAAGAATCAGTGTCTTCTACACCTGTGGTTGAGGGTGCAGAGGAGCCAGCTGG
 CACAGAGTTCCAGAGGGACCCAGAGGCTTGCCAGCCTGCCCTGCAGTGCACCTTCCCAAGATCCAC
 AGCCGGAGGTTCCGGGACTACTGCAGCCAGATGCTTAGTAAAGAAGTAGATGCTTGTGTACGGGTCTGC
 TCAAGGAGCTGGTGCCTTCCAAGACCGCATGTACCAGAAGGATCCCGTCAAGGCCAAGACAAAACGGCG
 GCTCGTGTGGGGCTGAGGGAGTCTGAAACACCTGAAGCTCAGGAAGTGAAGTGCATCATCTCTCT
 CCCAAGTGTGAGAAGACCCAGTCTAAAGGTGGGCTGGACGACACGCTGCACACCATCATCGACTGCGCT
 GCGAGCAGAACATCCCTTCGTGTTGCACTCAATCGCAAGGCTCTGGGGCGGAGCCTGAATAAAGCTGT
 TCCTGTGAGCATTGTAGGGATCTTCAGCTACGATGGGGCCAGGACCAGTCCACAAGATGGTTGAGCTG
 ACCATGGCAGCCCGTCAAGCATACAAGACCATGTTGGAGACAATGCGGCAGGAACAGGCAGGAGAACCTG
 GACCTCAGTCCCTCCAGCCACCCATGCAAGACCCATCCCATCCACGGAAGAAGGCACCCCTCCCTTC
 CACTGGAGAAGAGCCACACTACATTGAGATTTGGAAAAAGCACCTGGAAGCGTACAGTGCAGCTGCCCTG
 GAGCTGGAAGACTCACTGGAGGCGTCAACCTCTCAGATGATGAACCTTGAATTTA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_029279
Insert Size: 2577 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_029279.2 , NP_083555.1
RefSeq Size:	3327 bp
RefSeq ORF:	2577 bp
Locus ID:	75420
Cytogenetics:	13 A5
Gene Summary:	<p>The incorporation of selenocysteine into a protein requires the concerted action of an mRNA element called a sec insertion sequence (SECIS), a selenocysteine-specific translation elongation factor and a SECIS binding protein. With these elements in place, a UGA codon can be decoded as selenocysteine. The gene described in this record encodes a nuclear protein that functions as a SECIS binding protein. Mutations in a similar gene in human have been associated with a reduction in activity of a specific thyroxine deiodinase, a selenocysteine-containing enzyme, and abnormal thyroid hormone metabolism. Alternate splicing results in multiple transcript variants. [provided by RefSeq, May 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>