

Product datasheet for **SC210278**

SECISBP2 (NM_024077) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SECISBP2 (NM_024077) Human 3' UTR Clone
Symbol:	SECISBP2
Synonyms:	SBP2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_024077
Insert Size:	869 bp
Insert Sequence:	>SC210278 3'UTR clone of NM_024077 The sequence shown below is from the reference sequence of NM_024077. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACCTCTCAAATGATGAATTTGAATTTATGAGAGTTCTTGCCTGTGTGTCTGTATTTTGGGAAGGAGGG
GAGGTCTGAAAAAGACTTTGGGGCTTTTCTTCTGTTTTTCATGACAATGAATTTGTGTAAGTGTGA
ATCTGAAATTTGATCAGCATTAAAGGGCACATGAAGCAGTGTCTGCAGGGCTTCAGTGTCTGCGGAGCCT
GTTAAAGGTCACCTCAGATGTGCAGGTGTTAATCTTCTCTAAAAGCCTGGTGATACAGCTCTGGCTTTCT
GAGCACACTACGGATCTGGAAAATACTGAAAATGTGATACTTAGAATACTTTGGCTGCTAAGGAAACT
TCCTCTCCATTGCAGAATAGCTGAGCCAAGTGAGTGAGTTTGCAGAAAGCAGGTGGTGAGCTCCTGCCT
GCTGGAGGTTGCCATGGAGGGCCATTCTGCCCGCAACAGCACCGTCTGCAGGGAGCCACTTGGCAG
AAGGGTGACGGGCTGCTGGTGTGAGAGCAAGAGGGCTACAGGGAAAGGGCCCTTTCTCAGGGGATGTAG
CTTTTTTAAAAGATTTGGGAACACTTGGAGGATTTGCTAAAATGAGCCTCAGAAGGAAAATTGGTTTTTC
TAACCTGTGACTTTTTGAAATGAATTATTCCTTTCAGTCTTTATTTTTCAAAGAAACAATGTGTATTGA
AGTACCTAGATTTGTTTGATAATCAACAAATCTTCTTTTTCAATGAACATATTCTGAATGTGGTTTC
TGCTTTAGACCAGGAGGACAGAGTTTGGCTTTTCATATTTTCCCTGTAAGTAAGAGGGCTTATTTATTTTA
AATAAAGAGTAATTATTAATTTTGTTCAGACTCTGGTGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG

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Restriction Sites: Sgfl-Mlul



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_024077.5</u>
Summary:	The protein encoded by this gene is one of the essential components of the machinery involved in co-translational insertion of selenocysteine (Sec) into selenoproteins. Sec is encoded by the UGA codon, which normally signals translation termination. The recoding of UGA as Sec codon requires a Sec insertion sequence (SECIS) element; present in the 3' untranslated regions of eukaryotic selenoprotein mRNAs. This protein specifically binds to the SECIS element, which is stimulated by a Sec-specific translation elongation factor. Mutations in this gene have been associated with reduction in enzymatic activity of type II iodothyronine deiodinase (a selenoprotein) and abnormal thyroid hormone metabolism. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Aug 2017]
Locus ID:	79048
MW:	32.2