

Product datasheet for **SC214254**

SPSB4 (NM_080862) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SPSB4 (NM_080862) Human 3' UTR Clone
Symbol:	SPSB4
Synonyms:	SSB-4; SSB4
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_080862
Insert Size:	1372 bp



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Insert Sequence:	>SC214254 3'UTR clone of NM_080862 The sequence shown below is from the reference sequence of NM_080862. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TCTCTCAAAAATCTGTCAGTACCAGTAGCCAAAGCCTGATGGGCAGCAGACACAGACACACACCG CAGGGCCCGACCCCTCTGTCAATTCACAGTCCCATGGCACATAGGGGAAAGGATCTACCCCTCTCCTGGC TCCCCAGGACACTCAGTTCTTTCAAAGACCAGGATGTGGTACCAACTTTGGAAACGAAAGGTCTCTTGC CAACAGTATCTACTGCCCTCGAGGCAGCCCTCCCAAGTCAGACACCTCCTTCGGAGCCACAGAGAGCCT GGAGTCTGCACCTCCTGGAAATCCTGCCACCAACCAGGACACAGCAGCCACCGTATTGATCAGAGAGCC TGTTTCCTTATTCAAGAGAATGAATAAAACATTTAGGCAGGAGACTTTCTATTGTGTGCCCCGTTGCAG ACAGGGCCAGGGAGAAATTAGCCAGTGCAGGGGAAAAATTGCCTCTGAATAATGAATGATGAAAGCCTG ACGCCGTGCCCTCCTGGCCCATACGCCTTGCCAGGGCGGCAGGATTGTCACACCGTTTTAGGACTCTG TGCCACTTTGAGAGACTGTTCCAGGAGGCCCAACCGCAGACCTGGCAAGTGGACAGTGCAGTGTGGAG ACACCTTCCGGCTTACCTCTTTGAACGTTGTTTACCTACCCCTTTCCACGTGCTCCCTTCCCAGCCAC TGACTCACAGTTCTCTGGATGCCCAGACACCTCTCTTCAGGGAAGATGAGTCTGACTGGTTTGCCCCAG GGAAGAGCATATCCTTACCATTATTTTAAAGTAGCATTTGCATTTTAAAGAGGAATGCGGAGAGGACAG TACTTAGTCCAAAGGTGCTAACGGGGAACTGGGGGCATTGTGACACCCAAGTCTGATGTGCTCTGGGT TGGGGGCGCTTCTGGAGTGTACGGGTCTCTGGGCAACGTCCATTGAGGTGCGGCATGGCTGTCAAA AGCTTTATTTGAGCAAATTATTTTTTCACTTTAGGAGACTTCTACAAGTTTGTTCCTGTTTCAAATGT GTGTGTGATGTGCTGTTTATTTATCAGCTTGAGGTCCATGGGGGCAGCCTTGACTGGAAGGGTGGAT ATGGGAGACACATTCTCTACCTGCTCCGAGCCTGGTCCTCTCGCAGGAATGCTGCTGCTGCCTCCGCCG CCACTGCTGCTGCCACCTCTTATATGTTTCAGACACTCTCTGCCCAGACTCATTTTTAACTGGAATCA TCACAGCAGTGGGATATCAGAGCCCAGACAGCACTGCCTCTTCTCCCCACCCCACTGCCCCACCTT AATGTGAATTTGACTGATGAATGAAGAGCGTTTCTAATAAAGTTTGTCAATTCAGTCCTTCA ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
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_080862.3</u>

Summary:

Substrate recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (PubMed:21199876, PubMed:15601820). Negatively regulates nitric oxide (NO) production and limits cellular toxicity in activated macrophages by mediating the ubiquitination and proteasomal degradation of NOS2 (PubMed:21199876). Acts as a bridge which links NOS2 with the ECS E3 ubiquitin ligase complex components ELOC and CUL5 (PubMed:21199876). Diminishes EphB2-dependent cell repulsive responses by mediating the ubiquitination and degradation of EphB2/CTF2 (PubMed:28931592). Regulates cellular clock function by mediating the ubiquitin/proteasome-dependent degradation of the circadian transcriptional repressor NR1D1 (PubMed:26392558).[UniProtKB/Swiss-Prot Function]

Locus ID:

92369

MW:

51.8