

## Product datasheet for **RN217125**

### **Shkbp1 (NM\_001271080) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Shkbp1 (NM_001271080) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Shkbp1
Synonyms:	RGD1309281; Sb1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN217125 representing NM\_001271080  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGTCCCGACGACTGCAGTGGAGGGGTCCGGAGTCGGGGAGCCCGGGGAAGTGATTTCATCTGA  
 ACGTAGGGGGCAAGCGGTTCCAGCACCTCTGCCAGACGCTAACCTGGATCCCAGACTCCTTCTTTCCAG  
 TCTTTTGAAGCGGACGTATCTCAACCCTGAAAGATGAGACCGGAGCCATCTTCATCGACCGGACCCCACT  
 GTCTTTGCCCCATCCTCAATTTCTGAGGACCAAGAGTTAGACCCAGGGGTGTCCATGGTTCCAGCC  
 TCCTCCATGAAGCCCAATTCTATGGGCTCACTCCACTGGTTTCGTCGCCTGCAGGTAAGGGAAGAGTTGGA  
 TCGATCTTCTGCGAAATGTCTCTTCAATGTTATCTACCTCCTCCAGTGTCCAGTGAAGCGGAGA  
 AACCGGCACAGCCTGGTGGGGCCCAAGAAATAGGGGACGCCAGCCCTGTTCCAGCGGAGCAACACGA  
 TGCCCCCAACTTGGGTAATGCAGGGCTGCTAGGCCGAATGCTGGATGATAGAGCACCTCCATCCCCATC  
 AGGCCAACAGAGGAACAGGGATGGTGGCGCTGGTGTGGTACCACAACCTGGATTGCTGTGGCGTAT  
 ACCCACTTCTCGTCTGTTATAGACTGAAGGAAGCCTCCGGTTGGCAGCTTGCACTTCCAGTCTCGCC  
 TAGACTGGCCATTGAGCGCCTGGCTCTCACAGCTCGGGTGTCCGGTGGTGTCCAGCGGAGCATGACAA  
 GATGGTGGCTGCAGCCACAGGCAGCGAGATCCTTCTGTGGGCGCTACAGGCACAAGGTGGTGGCTGTGAG  
 ATAGGTGTCTTCCACTGGGTGTGCCTGTGGAAGCCTTGTCTTTGTTGGGAACAGCTCATTGCCACAA  
 GCCACACAGGGCGCATCGGTGTCTGGAACGCCGTGACCAAGCACTGGCAGGTCCAGGAGTCCAGCCTAT  
 CACGAGTTATGATGCAGCCGGCTCCTTCTCCTCCTGGGCTGCAGCAATGGCTCCATCTATTATGTAGAT  
 GTGCAGAAATCCCCCTGCGCATGAAGGACAACGACCTCCTTGTCACTGAGCTCTACCGAGACCCAGCAG  
 AAGATGGGGTACCGCCCTCAGCGTCTACCTCACCCCAAGACCAGTGACAGTGGGAATGGATTGAGAT  
 TGCCATGGCACCAAGCTCCGGAGTGGTGGGGTCAATTGTCCAGCACCCGAGACAGTGGGCTCGGGACCC  
 CAGCTCTTCCAGACCTTCAAGTGTACACCGCAGCCCTGTACCAAGATCATGCTGTGAGAGAAGCACCTCA  
 TCTCTGTGTGCGGACAACAACCATGTTCCGGAGTGGTCTGTGACCCGCTTTCGAGGCATGATCTCCAC  
 CCAGCCTGGTCCACTCCACTGGCATCCTCAAGATCCTGGCACTGAATCAGCCGATGGGCTCGGTGGC  
 TGCAGTGTGGCAATGACATTGGTCCCTATGGTGGAGCGGGATGACCAGCAGGTGTTCCAGAGAGGTGG  
 TACCAAATGCCAGCCAGCTGTTGTGCGTCTCCTCCACTGGGAGCGGGTGTGTTCTGTACGCTCAGT  
 GGATGGCTCCGCTACGACTGCCTCACAGTGTGGAGTGTGAGGGCTCCAGGCGGTTGGGCTCCAGACCC  
 CGACGCTACCTGCTCACGGCCAAGCAATGGCAGCCTGGCCATGTGGGACCTGACCACTGCCATGGACG  
 GCCTGGGCCAAACCCCTGCAGGGCGCCTGACCGAAGAAGAGCTGATGGACCAACTGGAGCAGTGTGAAT  
 GAGCCATTGACTTCTTCTCGGGCCTTTTTCCAGCCCTCACCCAGAACCTCTTTACCAGTCTACAC  
 TCAGCCTCCAGCAACACCTCGTGTGTGGCCACAGAGGGAGCCCAAGCCAGCCAGGCAGGGGGCCCGGA  
 GCCGCGGGCAGGAAGCTTCGTGGATCGGTTTAAAGAAGTGGCAAGGGGTGCACCGGAGCTCCGAGGGCC  
 ACCAACACCAGCCCTCGACCCTCCACCAGTCTTGGGAATCCCCTGATACTTCCAAAAACACACTTAAC  
 GAAACTTCCTTTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271080  
**Insert Size:** 2115 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).

<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001271080.1</a></u> , <u><a href="#">NP_001258009.1</a></u>
<b>RefSeq Size:</b>	2300 bp
<b>RefSeq ORF:</b>	2115 bp
<b>Locus ID:</b>	292735
<b>UniProt ID:</b>	<u><a href="#">P0C5J9</a></u>
<b>Cytogenetics:</b>	1q21
<b>Gene Summary:</b>	Inhibits CBL-SH3KBP1 complex mediated down-regulation of EGFR signaling by sequestration of SH3KBP1. Binds to SH3KBP1 and prevents its interaction with CBL and inhibits translocation of SH3KBP1 to EGFR containing vesicles upon EGF stimulation. [UniProtKB/Swiss-Prot Function]