

## Product datasheet for **MR227895**

### Sh3kbp1 (NM\_001290664) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sh3kbp1 (NM\_001290664) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Sh3kbp1  
**Synonyms:** 1200007H22Rik; 1700125L08Rik; 5830464D22Rik; AI447724; Cin85; IN85; Ruk; Seta  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR227895 representing NM\_001290664  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

**ATGGCAGCTGCCAGCAGTGGCCAGCTTCTCTCTTTCAGTGGCATCCTCACCCATGTCATCTCTTTGG  
GAACAGCTGGACAGAGAGCCAGTTCTCCATCTCTGTTCCAGCACAGAAGGAAAGCCAAAGATGGAGCCAGC  
AGTGAGCAGCCAGGCTGCTATCGAGGAGCTTAAGATGCAAGTCCGTGAGCTGAGGACCATATTGAGACC  
ATGAAGGACCAGCAGAAACGTGAGATTAAGCAGTACTGTGAGAATTGGATGAAGAGAAAAGATCCGGC  
TCCGGTTCGAGATGGAAGTGAACGACATAAAGAAAGCTTCAATCAAAG**

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:** >MR227895 representing NM\_001290664  
Red=Cloning site Green=Tags(s)

MAAASSGPASLSSVASSPMSSSLGTAGQRASSPSLSTEGKPKMEPAVSSQAAIEELKMVRELRTIIET  
MKDQQKREIKQLLSELDEEKKIRLRLQMEVNDIKKALQSK

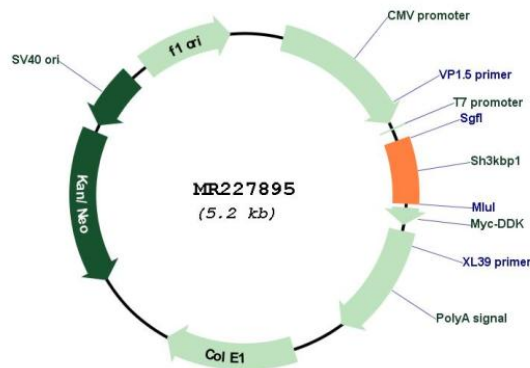
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**

**Plasmid Map:**


ACCN: NM\_001290664

ORF Size: 330 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001290664.1</a></u> , <u><a href="#">NP_001277593.1</a></u>
<b>RefSeq Size:</b>	3721 bp
<b>RefSeq ORF:</b>	333 bp
<b>Locus ID:</b>	58194
<b>UniProt ID:</b>	<u><a href="#">Q8R550</a></u>
<b>Cytogenetics:</b>	X F4
<b>MW:</b>	12.4 kDa
<b>Gene Summary:</b>	Adapter protein involved in regulating diverse signal transduction pathways. Involved in the regulation of endocytosis and lysosomal degradation of ligand-induced receptor tyrosine kinases, including EGFR and MET/hepatocyte growth factor receptor, through an association with CBL and endophilins. The association with CBL, and thus the receptor internalization, may be inhibited by an interaction with PDCD6IP and/or SPRY2. Involved in regulation of ligand-dependent endocytosis of the IgE receptor. Attenuates phosphatidylinositol 3-kinase activity by interaction with its regulatory subunit. May be involved in regulation of cell adhesion; promotes the interaction between TTK2B and PDCD6IP. May be involved in the regulation of cellular stress response via the MAPK pathways through its interaction with MAP3K4. Is involved in modulation of tumor necrosis factor mediated apoptosis. Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the control of cell shape and migration (By similarity).[UniProtKB/Swiss-Prot Function]