

## Product datasheet for **MC205718**

### Sh3bp4 (NM\_133816) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sh3bp4 (NM_133816) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sh3bp4
Synonyms:	A1594717; AW227605; BOG25
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC012284

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GGGGCGTCTGGGCACCTCACCACCTCTGCTGCCTCGATCGCTGAGGCCGGGTACCGGGAGTCGCGCGCG
CCCCCGCGGGTGAGCCCCACAGGACAAGAGAACCAGCAGGACCGTGGGGCGCCATGCGAGCCAGGGCA
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TTTTGGACATGATTGTGCCCCAAGACCCTCCTGGTGAGTGAGGTGACTCGGCAGGCTCCCAGTCCCTGCC
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AGAAGACTTAGAAAGGACGTAAGAAAGGTGGTATCTAATTTTTAATGGACTGTAAGGTTATTTAAAAA
TTTTTTCACCTTAGTAAAGGCAATGCTATTGAAAAAAAAAAAAAAAAA

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**Restriction Sites:**

RsrII-NotI

**ACCN:**

NM\_133816

**Insert Size:**

2889 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:**

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:**
[BC012284](#), [AAH12284](#)
**RefSeq Size:**

3688 bp

RefSeq ORF: 2889 bp

Locus ID: 98402

UniProt ID: [Q92116](#)

Cytogenetics: 1 D

**Gene Summary:** May function in transferrin receptor internalization at the plasma membrane through a cargo-specific control of clathrin-mediated endocytosis. Alternatively, may act as a negative regulator of the amino acid-induced TOR signaling by inhibiting the formation of active Rag GTPase complexes. Preferentially binds inactive Rag GTPase complexes and prevents their interaction with the mTORC1 complex inhibiting its relocalization to lysosomes and its activation. Thereby, may indirectly regulate cell growth, proliferation and autophagy (By similarity).[UniProtKB/Swiss-Prot Function]