

## Product datasheet for **MR206587**

### **Bfsp2 (NM\_001002896) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Bfsp2 (NM_001002896) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bfsp2
Synonyms:	A1448593; CP49
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206587 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCAAGAGGAGAGTGGCAGCGGACTTGCCTCGGGAACCAACTCCAGCATGCCCGTGCAGAGGCACA  
GGGTGTCATCCCTCAGGGGAACACTCTCCATCCTCCCTGGATAGCCCCCAGCATCCAGGACCAGTGC  
TGTGGGTAGCCTCGTCCGTGCCCTGGGTCTATGTAGGAGTCGCACCCAGTGGTGGCATAGGTGGTCTC  
GGTGCCCGAGTGACCCGCGGGCCCTGGGCATCAGCAGTGTCTTCTACAGGGCCTGCGGAGTTCAGGCC  
TTGCCAACGTGCCTGCTCCGGGCCAGAAAGGGATCACACTACTGTTGAGGACCTGGGGGCTGCCTAGT  
GGAATATATGACCAAGGTGCATGCTCTGGAGCAAGTCAGCCAGGAAGTGGAAACACAACCTGCGGGCTCAC  
CTGGAGAGCAAGGCCAAGAGCTCTGGAGGCTGGGATGCCCTCCGCGCCTCCTGGGCCAGCAGCTACCAGC  
AGGTGGGAGAGGCTGTCTAGAAAACGCCCGGCTCCTGCTGCAGATGGAGACGATCCAGGCCGGTGC  
TGACTTTAAAGAGAGATATGAAAACGAGCAGCCATTGAGGAAGGCAGCGGAAGAGGAAGTAAAGTTCCTG  
TACAAAGTCATCGATGAAGCTAATTTGACAAAGACGGATCTGGAGCATCAAATAGAAAGCCTGAAAGAAG  
AACTGGGCTTTCTGTCAAGAAGCTATGAAGAGGATGTGAAGTTCTGTACAAACAGCTGGCAGGGTCTGA  
GCTGGAGCAAGCAGATGTCCCATGGGCACCGTCTGGATGTCTTGGAGACGATCCGAGTTCAGTGG  
GAGAGAGATGTGAAAAGAACCAGCAGAGAAGCAGGAGCCTTGCTCCAAGCTAAGCAACAGACAGAGGTGG  
TCCACGTATCCCAGACCCAAGAAGAAAAGCTGGCTGCTGCCCTCAGTGTAGAGTTACACGACATTCACG  
CCAAGTCCAGAGTCTCCAGGCTGAGACGGAATCTTTACGGGCTCTGAAACGAGGCCTGAAAAACAGCTTG  
CACGACGCCAGCACTGGCATGACATGGAAGTGCAGAACCTGGGTGCCGTGGTGGCAGGCTGGAGGCAG  
AGCTGGCAGAGATCCGCTCAGAGACAGAACAGCAGCAGCAGGAGCGGGCACACCTGCTGGCGTGCAAGAG  
CCAGCTACAGAAGGATGTGGCATCTACCACGCCCTGCTGGACAGAGAGGAGAACAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR206587 protein sequence  
 Red=Cloning site Green=Tags(s)

MSKRRVAADLPSGTNSSMPVQRHRVSSLRGTHSPSSLDSPASRTSAVGS�VRAPGVYVGVAPSGGIGGL  
 GARVTRRALGISSVFLQGLRSSGLANVPAPGPERDHTTVEDLGGCLVEYMTKVHAEQVSQELETQLRAH  
 LESKAKSSGGWDALRASWASSYQQVGEAVLENARLLLQMETIQAGADDFKERYENEQPFKAAEEEVSSL  
 YKVIDEANLTKTDLEHQIESLKEELGFLSRSYEEDVKVLKQLAGSELEQADVPMGTGLDDVLETIRVQW  
 ERDVEKNRAEAGALLQAKQQTEVVHVSQTQEELAAALSVELHDTSRQVQSLQAEATESLRALKRGLNSL  
 HDAQHWHMELQNLGAVVGRLEAELAEIRSETEQQQERAHLLACKSOLQKDVASYHALLDREENN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001002896

**ORF Size:** 1251 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** [NM\\_001002896.3](#)

**RefSeq Size:** 1570 bp

**RefSeq ORF:** 1251 bp

**Locus ID:** 107993

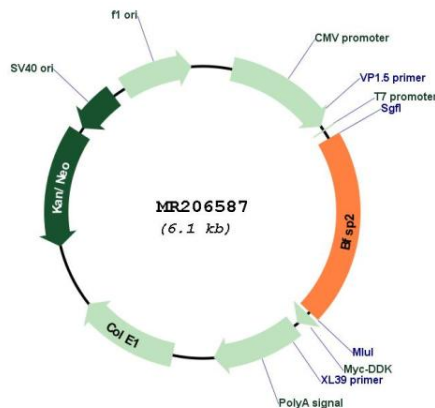
**UniProt ID:** [Q6NVD9](#)

**Cytogenetics:** 9 F1

**MW:** 45.7 kDa

**Gene Summary:** Involved in stabilization of lens fiber cell cytoskeleton.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR206587