

Product datasheet for **MC228624**

Bfsp1 (NM_001291061) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bfsp1 (NM_001291061) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bfsp1
Synonyms:	CP95
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228624 representing NM_001291061
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTACCGCCGAGCTACGTCTTCCAGGCCGCCAGGAGCGCTACGAGCGCGCCAGCCCGGGCCCCG
 CCGCCAGCCCGGGGAACCGCGCCCGCCTGGCAGCGCTGCAGGCGCTGGGCGAGCGCTGGCAGTCCA
 GGTCCAGCGGGCCCGCGCTCCAGCAGCGCCAGCCCGCCTGCGGCGGAGCTCGAGCGCTTCCAGCGC
 CTGGGCGAGCAGCCCGGCCGAGGACGCGCTCGCCCGCCAGTCGAGGCCAATCTGCAGCGCGCCGGG
 ACCTGACAGCCGAGCAGCGCGGCTCGAGAGGCAGGAGCCGAGGCGCAGCGCGCTCGACGATTCCG
 CAGCAAATACGAAATGAGTGTGAATGTCAGTTGGTGCTAAAGGAAATGCTGGAACGGCTTAAACAAGGAA
 GCCGATGAAGCCTTATTGCGTAACCTGCACCTTCAGTTGGAGGCACAGTTTCTGCAGGCAGATATCAGTG
 TGGCAAGGACAGGTACAAGAAGATCTTCTGGAGATTCAGACCTACATCACCGTCTGCAGCAGATCGT
 ACAGACTGCTCCTCAAGTGTCCCTGGTACTGGGATGAGGGAGTCTGGCCTCCTCATGCAGGAGAAGCTG
 TTCACAGAACGGGAAGTGGCTGCCTGCAGAACCAGCTGGAGGAGGGCCGAGAGGAGTCAACCCACCTGC
 AGGCACAGAAAGCTGAGCTGCAGGCCAGACCAGGCCCTGGAACAAGCTATTAAGCATGCTCATGAGTG
 TTACGATGAGGAGCTACAGCTTTACAACGAGCAGATCGAAAACCTTCGGAAGGAGATCGAGGAGGCGGAG
 CGGTCTCTGGAGAGGTGCTCCTATGACTGCAGGCAGCTAGCCGTGGCCAGCAGACGCTGAGGAATGAGC
 TAGACCGTTATCATCGGATCATTGAGATTGAAGGCAGCAGGCTGAGCTCTGTTTTATTGAGACGCCAT
 CTCTCTGATCACCCGAGCCATGGGGCCCTCTCAGCCTTGGATCCAGTGTGAAAGATCTTGCCAGGGCC
 GTGCAGGATATTACAGCAGCTAAACCGAGACAGAAGGCCCTCCCCAAGAGCCTTCCAAAAAGAAAGGAGA
 TTATAGCTCAAGATAAGGTGGAGAAACTCTGGAAGATGCACATTAAAACCTCCGAGGAGCCAAAGGC
 ACTGCAGGTGGAACGGAAGCAGAAGGTGGCTCTCAGCCCGAGCAGGGGGAGGACATGGAGTAAGTCCC
 ACACAAGAAGGGGTCTGAGGATGTGCCAGCGGGGCCAGATAAGCAAAGCCTTTGGGAACTGTGCA
 AAGTAGTGAAGAGAGAGTGAGCGGCCACAAAGAGCCGAGCCTGAGCCGCCACGGACCTTTTCACCAA
 AGGACGGCATGTACTCGTCACAGGGGAGTCTAGTTTTGTTGACCCGAGTTCTACTCCTCCTCCATCCCA
 GCTAGAGGTGGGTGGTATTCCATTGAGGAAGACTCTATGCATCATGACGGCCACGTAGACCCCTCTC
 CTGACAGCCCATGCCACCTGTGAGAATGGACAGGGCCTTCCCAGGGCAGGGAAGGTGACCACTCAA
 CCATCAGCAGGTACAGACAAGAATGGTTACGGGCAAGGAACCAAAAGACCTGGAGGAAAAAGATGAT
 GATGGCAAGAAGGAGCTGAGGGGAGCAGGAGACCCTGTCTGTGATCATACCTGGTCTGATGAACCAT
 CTACATCCATTACAGACGCTCTGGGTCCAATCAGGGTGGACCAGTGGGGCTGCGAGTAAGAGCAGTAG
 CCTGCTGGCAAAGGGCCCTTCGAAGGCTCTGTCTATTAAGAAGGTGGAGGTGGTGAATCCATTGAGAAG
 ATTTCAACAGAGAGTATTACAGACATATGAAGAGACTTCCGTAATTGTGGAGACTCTGATTGGGAAGTCAA
 AGGGCAACAAGAAACTGGGAGAGAAGAGCTTGCCAGACACAAGGGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001291061

Insert Size: 2010 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<ol style="list-style-type: none">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:	<u>NM_001291061.1</u> , <u>NP_001277990.1</u>
RefSeq Size:	2432 bp
RefSeq ORF:	2010 bp
Locus ID:	12075
UniProt ID:	<u>A2AMT1</u>
Cytogenetics:	2 G1
Gene Summary:	Required for the correct formation of lens intermediate filaments as part of a complex composed of BFSP1, BFSP2 and CRYAA (By similarity). Involved in altering the calcium regulation of MIP water permeability (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).