

Product datasheet for RN216614

Bfsp2 (NM_001277434) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Bfsp2 (NM_001277434) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Bfsp2
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN216614 representing NM_001277434
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAGCGAGAGGAGAGTAGCAATGGACTTGCCCTCAGGATCCAACGCCAGCATGCCCTGCAAAGGCACA
 GGGTGTATCCCTTAGGGGAACACGATCTCCTTCCTCCCTGGATAGCCCCCAGCATCCAGACCAGTGC
 TGTAGGTAGCCTCGTCCGTGCCCTGGGTCTATGTAGGAGTAGCACCCAGTGGTGGCATAGGTGGCCTC
 GGTGCCCGAGTGACCCCGGGCCCTGGGCATCAGCAGTGTCTTCTGCAGGGCCTGCGGAGCTCAGGCC
 TTGCCACTGCACCTGCTCCAGGCCAGAAAGGAATCACGCCACTGCTGAGGACCTGGGGGCTGCCTAGT
 GGAGTATATGACCAAGGTGCACGCTCTGGAACAAGTCAGCCAGGAGCTGGAGACACAACACGGGCTCAC
 TTGGAGAGCAAGGCCAAGCGCTCCGGAGGCTGGGATGCCCTCCGTGCCTCCTGGGCCAGCAGCTACCAGC
 AGGTGGGAGAGGCCGTCTTGAAAATGCCCGACTCATGCTGCAGATGGAGACCATCCAGGCCGTGCGGA
 TGACTTTAAAGAGAGGTATGAGAACGAGCAGCCATTCAGGAAGGCCGGGAAGAGGAAGTCAGCTCCCTG
 TACAAAGTCATCGATGAAGCTAATTTGACGAAGACGGATCTGGAGCATCAAATCGAAAGCCTGAAAGAAG
 AACTGGGCTCTGTCAAGAAGCTATGAAGAGGATGTGAAGTTCTGTACAAACAGCTGGCGGGTCTGA
 GCTGGAGCAAACAGATGTTCCCATGGGCACTGGTCTGGATGATGTCTTGAGACGATCCGAGTTCAGTGG
 GAGAGAGATGTGAAAAGAACCGAGCAGAAAGCAGGAGCTGTGCTCCAAGCTAAGCAGCAGACAGAGGTAG
 TCCATGTATCCCAGACCAAGAAGAAAAGCTGGCCGCTGCCCTCAGTGTAGAGTTACACGACACTTCACG
 CCAAGTCCAGAGTCTCCAGGCTGAGACAGAATCTTTACGGGCTCTGAAACGAGGCCTGAAAAACACCTTG
 CACGATGCCAAGCACTGGCATGATGAACTGCAGAACCTGGTGCCGTGGTGGCAGGCTGGAGGCAG
 AGCTGGCAGAGATCCACTCAGAGACAGAGCAGCAACAGCAGGAGCGGGCACACCTGCTGGCGTCAAAGG
 CCAGCTACAGAAGGATGTGGCATCTACCACGCCCTGCTGGACAGAGAGGAGAGCAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001277434
Insert Size:	1251 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_001277434.1</u> , <u>NP_001264363.1</u>
RefSeq Size:	1549 bp
RefSeq ORF:	1251 bp
Locus ID:	501046
UniProt ID:	<u>D3ZER2</u>
Cytogenetics:	8q32
Gene Summary:	Required for the correct formation and organization of lens intermediate filaments as part of a complex composed of BFSP1, BFSP2, AND CRYAA.[UniProtKB/Swiss-Prot Function]