

Product datasheet for **SC102934**

BODIL (BODIL1) (AF528529) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	BODIL
Synonyms:	BODIL; FAM44A
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AF528529, the custom clone sequence may differ by one or more nucleotides

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ATGGCCACCAACCCACAGCCGAGCCGCCTCCTCCGGCGCCGCGCCTCCCCCGCCGAGCCGAGCCGC
AGCCACCGCCGCCGCCGCGGCCCGGGCTGGCCCCGGCGCGGGCGGGCGGGCGGGTGC
CGCCGGGACCCGAGCTCGTGGCCATGATCGTGAACCACTCAAGAGCCAGGGGCTCTTCGACCAAGTTC
CGCAGAGACTGCCTGGCCGACGTGGACACCAAGCCTGCGTATCAGAATCTGAGACAGCGTGTGACAAC
TTGTTGCAATCACTTGGCACTCACATGGAGTCCGCATCTCAATAAGAACCAGCTAAGAAACAACAT
TAGACAACAAGTCTCAATCAGGAATGTTGGAGTCTGGTATTGACCGAATTATTTCTCAGTTGTGGAC
CCAAAGATCAACCACACATTCAGACCTCAGGTAGAGAAAGCTGTGCATGAGTTTTTGCCACGCTAAATC
ACAAAGAGGAAGGAAGTGGCAACACAGCTCCCGATGATGAGAAACCAGACACTCCCTTATTACACAAGG
TGTTCTACTCTCTGGGCCAGTGCTAATGTAGCCAATGATGCCATGTCGATATTGGAACCATAACTTCT
CTTAACCAAGAAGCCAGTGCTGCTAGGGCTTCAACAGAAACATCAATGCCAAGACCAGTGAGAGAGCGT
CAAAAAAATTCCATCTCAGCCAACCACTGATACTAGTACTGACAAAGAAAGAACTTCAGAGGACATGGC
TGATAAAGAAAAATCTACAGCTGACTCTGGAGGTGAAGGACTGGAAACAGCCCCAAAGTCTGAAGAGTTC
AGCGACCTCCCTGTCCAGTCGAAGAAATAAAAATTACACAAAAGAGCATAATAATTTAATTCTGCTAA
ATAAGGATGTTCAACAGGAAAGCAGTGAGCAAAAAATAATCAACAGACAAAGGTGAAAAAGGCCAGA
CAGCAATGAGAAAGGAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG
AAGAGTGAAGATACACAGAAAGTTAAAGATGAAAAACAAGCAAGGAAAAAGAAAGTGAAGAGTTTAAAC
TTCTTCAGAAAAGAACAGTAATAAAGCTAAAAGTGTGAAGGGACAAAAGAGATTCTCTTTGATAGA
TTCTGATGTGGATGGACTTACAGACATCACAGTTAGCTCTGTTATACCAAGTGACCTTTCATCTTTGAA
GAAGATACTGAGGAGGAAGTTGTAACGTCTGATAGCATGGAAGAAGGAGAGATTACGTGAGATGATGAAG
AGAAGAACAACAGAAATAAAACAAAAAAGTCAAACTAGTGATTCTAGTGAAGGAAAAACAAAAGTGACG
GCATGCGTATGTCCACAAACCATATCTTTACTCAAAATACTATAGTGATTCTGATGATGAGCTTACTGTA
GAACAACGACGACAGTCCATTGGTATTTTGTGGTTTTAG

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5' Read Nucleotide

Sequence:

>OriGene 5' read for AF528529 unedited
 GTCACCTTTTGTAAACGACTTACTATAGGGCGGCCGCTAATTCGCACGAGGGTTCCGT
 AACAAATCCCGTTGGCTTCCCTCAGGCGGCGGACCAAGTGCAGCCGCCCTCCCAGGA
 TCGTCCGCGGTACAGGGCCCTTGCCCTCCCGGCACAGGCCACCATGGCCACCAACCCAC
 AGCCGAGCCGCTCCTCCGCGCCGCGCTCCCGCGCAGCCGACGCGAGCCAC
 CGCCGCGCGCGCGGGCCCGGGCTGGCCCGCGCGGGCGGGCGGGCGCGGGTG
 CGGGCGCGGGGACCCGAGCTCGTGGCCATGATCGTGAACCACTCAAGAGCCAGGGG
 TCTTCGACCAAGTTCGCAGAGACTGCCTGGCCGACGTGGACCAAGCCTGCGTATCAGA
 ATCTGAGACAGCGTGTGACAACTCTGTTGCAAACTCACTCGGCAACTCACACATGGAGTC
 CGCATCTCAATAAGAACCAGCTAAGAAACAACATTAGACAACAAGTCTCAAATCACGAA
 TGTGGAGTCTGGTATTGACCGAATTATTTCTCACGTTGTGGACCCAAAGATCAACCACA
 CATTAGACCTCAGGTAGAGAAAGCTGTGCATGAGTTTTTGGCCACGCTAAATCACAAAG
 AGGCATGAAGTGGCAACACAGCTTCCCGATGATGAGAAACCAGACACTTCCCTATTACA
 CAAGGTGTTGCCTACTCCTGGGTCCAGTGCTTATGTAGCCAATGATGGCCTGTCGATA
 TTGCGAAACCATAACCTTCTTTAACCACAAAGTCAGAGCTGCTTGGGCTTCAACAGAAC
 CACAAATGCCAGACCATTGAGAGACCGGCAAAACTTTCCTTTAGCCAACCCTGGATCT
 TGTCCTGACAAAAAGAACTTCAAGCCATGCCTGAGATACAAAAACCCACACTGGCTCTG
 GAGGG

3' Read Nucleotide

Sequence:

>OriGene 3' read for AF528529 unedited
 AGNGATCAAGTTTTTTTTTTTTTTTTTGTCTAAGGCTACTTTTTTTCTAAAACCTTTCC
 GTTCTTTAAGGACTTCTTAATTCTGGCGCTTTAGGTTCCAAACTCTTTGTTGATGATT
 CTTCTAAGTCCACACTACTCCTGCCTTGACCTTGGTTTTGAAGACTTTGTCTTTTCTG
 CTTTCTGTTTTCTTTTTCTCAAGTTTTCTCTATTGATTTGCCTTCTTAAAGCCTCT
 CTTCTTTTTCTTTGGCAATGGACTGTCGTGTTTCTACAGTAAGCTCATCATCAGAAT
 CACTATAGTATTTTGAAGTAAAGATATGGTTTGTGGACATACGCATGCCGTACACTTTTTG
 TTTTCTCTCACTAGAATCACTAGTTTGTGTTTTGTTTTATTCTGTTGTTCTTCTCTT
 CATCATCTGACGTAATCTCCTTCTTCCATGCTATCAGACGTTACAACCTCCTCCTCAG
 TATCTTCTTCAAAAGATGAAAGGTCACTGGTATGAACAGAGCTAACTGTGATGCTGTAA
 GTCCATCCACATCAGAATCTATCAAAGAGAAATCTTCTTTGTCCCTTCAACAGTTTTAG
 CTTTATTACTGTTCTTTCTGAAGGAAGTTTAACTCTCTACTTCTTTTCTTTGCTT
 GTTTTTCATCTTTAACTTTCTGTGATCTTCACTCCTTTTGTGATGATCAAAATTTCTTT
 CAGTCTTTTCTTTCTTTCTTTCTTTCTTCTTCTTCTGCTCTTTCTCATGGCTGGCTGGCTTCTTT
 CACCTTTGGCTGTTGATTTAATTTTNTGGCTCACTGGCTTACTGTTTGACATCCTTATT
 TN

Restriction Sites:

NotI-NotI

ACCN:

AF528529

Insert Size:

2000 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	AF528529.1 , AAM94279.1
RefSeq Size:	2610 bp
RefSeq ORF:	2610 bp
Locus ID:	259282
Cytogenetics:	4p15.33
Gene Summary:	Component of the fork protection machinery required to protect stalled/damaged replication forks from uncontrolled DNA2-dependent resection. Acts by stabilizing RAD51 at stalled replication forks and protecting RAD51 nucleofilaments from the antirecombinogenic activities of FBH1 and BLM (PubMed:26166705). Does not regulate spindle orientation (PubMed:26166705). [UniProtKB/Swiss-Prot Function]