

Product datasheet for **MC206466**

Ivns1abp (BC004092) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ivns1abp (BC004092) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ivns1abp
Synonyms:	Nd1-L, Nd1-S, 1700126I16Rik, 1190004M08Rik, ND1, NS-1, NS1-BP, HSPC068
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC004092
 CTTTAAAGGACTTGATTACATCATTTTTCAAGCCTGCTAGTTTTGGAACCACCATTAAAGCCTAAGACATC
 TCCCTTCAGTCAGCCACCTTTCTTCACACTGTAACGAAGTGCTTTGTTTCAACACTCCTTCTTTGTCTTT
 GGATCATTTGCGTTCTCAGTGACACATTTCTCTCAGTAATTGTTGCCAAATTTATAAGGAAAAATGATT
 CCCAATGGATATTTGATGTTTGAAGATGAAAAATTTTATTGAATCATCTGTGCCAAATTTAAATGCCTTGA
 GGAAGAGTGGGCAGTTCTGTGATGTTTGCAGTTCAGGCTGTGGCCATGAGATGCTAGCACACAGGGCAGT
 CCTGGCTTGCTGAGCCCTATCTATTTGAAATCTTCAATAGTGACAGTGACCCTCATGGAGTTTTCAT
 GTGAAGTTGGATGATCTCAATCCAGAAGCTGTTGAAGTCTTGCTGAATTATGCATACACGGCTCAGTTGA
 AAGCTGATAAGGAATTAGTAAAAGATGTTTATTCTGCAGCCAAGAAGCTGAAGATGGACCGAGTCAAGCA
 GGTCTGCGGAGATTATTTACTATCTAGAATGGATGTTACTAGCTGCATCTCTTACCAGAAATTTTGAAGT
 TGTATGGGAGACTCCCGTTTGTGAATAAAGTTGACGCTTATATTCAGGAGCATTGTTACAAAATTCAG
 AAGAGGAGGAATTTCTTAAGCTCCGAGACTAAAGTTGGAGGTAATGCTTGAAGATAATGTGTGCTTGC
 CAGCAATGGCAAGTTGTATACAAAGGTAATCAACTGGTGCAGCGTAGCATCTGGGAGAATGGAGACAGC
 CTGGAGGAGCTCATGGAAGAGGTTCAAACCTTGTACTACTCAGCTGATCACAAGCTGCTTGTATGGGAACC
 CACTAGATGGACAGGCTGAGGTGTTTGGCAGTGATGATGACCACATTCAGTTTGTGCAGAAAAAGCCACC
 CCGTGAGAATGGCCATAAGCAGATAAGTGGCAGTTCCTACTGGATGCTCTCTTCTCCAAATGCTTCAATG
 CAAAGCCCTAAGCATGAGTGGAAAAATCGTTGCTTCAGAAAAGACTTCAAATAACACTTACTTGTGCCTGG
 CTGTGCTGGACAGTACATTCTGTGTCAATTTCTTTCATGGGCGGAACAGTCCACAGAGCTCACCACAAG
 TACTCCAAAACCTGAGCAAGGTTAAGCTTCGAGATGCAACCAGATGAGCTTCTAGAAAAGCCCATGTCT
 CCCATGCAGTACGCACGGTCTGGACTAGGGACAGCAGAGATGAATGGCAAACCTATAGCTGCAGGTGGTT
 ATAACAGAGAGGAATGTCTTGAACAGTTGAATGCTATGATCCACATACAGATCACTGGTCTTCTTGTG
 TCCCATGAGAACCAAGAGCCCGCTTTCAAATGGCTGTGCTGATGGGACAGCTCATGTGGTGGGTGGA
 TCAAATGGACACTCAGATGACCTGAGTTGTGGAGAAATGTATGATCCAAACATTGATGAGTGGACCCCTG
 TTCCAGAGCTGAGAACCAACCGTTGTAATGCAGGAGTGTGCTGCTGAATGGGAAATTTGATGTTGG
 TGCTCTGATCCATATGGTCAAAAGGGCTGAAAAATTTGTGATGATTTGATCCTGTAACGAAGTATGG
 ACAAGCTGTGCTCCTCTTAACATTCGTCGACACCAGTCTGCAGTTTGTGAACTTGGTGGTTATTTGTATA
 TAATTGGAGGTGCAGAATCTTGAATTGTCTGAACACAGTAGAACGATACAATCTGAAAACAACACCTG
 GACTTTAATTGCATCCATGAATGTGGCAGGGCAGGGGCTGGAGTCGCTGTGCTTGTATGGAAAATGTTT
 GTAGGTGGTGGCTTTGATGGTTCTCACGCCATCAGTTGTGTGGAGATGTATGATCCAACCTAGAAATGAAT
 GGAAGATGATGGGAAATATGACTTCACCAAGGAGCAATGCTGGGATCACAACCTGAGGGAATACCATTTA
 TGCAGTGGGAGGATTCGATGGCAATGAGTTTCTGAATACTGTGGAAGTCTACAACCTCAGTCAAATGAG
 TGGAGCCCTTACACAAAGATTTTCCAGTTTAAACAAATTTAAGAACCCTCAACTAACAGGCTTAGTGATG
 TAATTGTGTTTAGTAGAGGTACACTTGTGAATAAGGAGGGTGGGTGGGGTGTGATGTTGCTAACTGCAACA
 CAAAGCTTTTGCATATTGCATATTATTAACATGCTGTACATACTTTTGTGTTTGAACGGAAATGCAAA
 GATGAAGGTCTGTTTCTGTATTCTTAAGACATCTTTGGTTATTTTACTTTTTGAAGGTTGATCTGTAAA
 AGAATAAACACAAATGATTGGGAACATCATTCAAGAAGTCCCTGCTCCTCCACATTTGTTTTGCCGA
 TTTGCACATTAATGACTCTTCCCTCAATCTGTCTTAAGAGGCAAGAGGGTAGGGTTACACGTAGGC
 AGTTGGGTTTTTAAGGGCCCTTTTCAATAACTGGAACACTCTATAACAAGATACTTATTTAAATAGAT
 AACAAATGACTATTTTTGTTTTTATTAAGAAAGTGGAGTGGTACCTACCAATATTTAGTCTTTTATGATTA
 CATTTTTATAACTTTTTATATTCTCAGCAGAGTGCTTTATCTGTTGAAGTAAAATGTGACAGATTACAT
 TATCAAAGCAGAGTGGCAGAGGAAAGGATGCAGAGTGGCTGTTTCTTTTAAAAAATGCTCAGAACTCATT
 TGCCGCAGCTGTACCTTTTTTCTTCTATCTGAGAGTGCAGTATCGATGTTATTTGGATGGAGTTGCT
 GAATGGTAACAGTAATTCAAACCCAGGTTTGTGAGTTACTTGACTTACTGAAGCATTTAACTGTCTTT
 ATTTATCATTAAACCAACAAATGTAAGTGGAGCCTTTGATTGAAAACAATTAACCTGATTGGGTTTGT
 GAATGCAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI
ACCN: BC004092
Insert Size: 1929 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:	<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:	BC004092 , AAH04092
RefSeq Size:	3036 bp
RefSeq ORF:	1929 bp
Locus ID:	117198
Cytogenetics:	1 G1
Gene Summary:	Involved in many cell functions, including pre-mRNA splicing, the aryl hydrocarbon receptor (AHR) pathway, F-actin organization and protein ubiquitination. Plays a role in the dynamic organization of the actin skeleton as a stabilizer of actin filaments by association with F-actin through Kelch repeats (PubMed:12213805, PubMed:16317045). Protects cells from cell death induced by actin destabilization (PubMed:16952015). Functions as modifier of the AHR/Aryl hydrocarbon receptor pathway increasing the concentration of AHR available to activate transcription (By similarity). In addition, functions as a negative regulator of BCR(KLHL20) E3 ubiquitin ligase complex to prevent ubiquitin-mediated proteolysis of PML and DAPK1, two tumor suppressors (By similarity). Inhibits pre-mRNA splicing (in vitro) (By similarity). [UniProtKB/Swiss-Prot Function]