

## Product datasheet for **SC315818**

### Influenza Virus NS1A Binding Protein (IVNS1ABP) (NM\_006469) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Influenza Virus NS1A Binding Protein (IVNS1ABP) (NM_006469) Human Untagged Clone
Tag:	Tag Free
Symbol:	IVNS1ABP
Synonyms:	ARA3; FLARA3; HSPC068; IMD70; KLHL39; ND1; NS-1; NS1-BP; NS1BP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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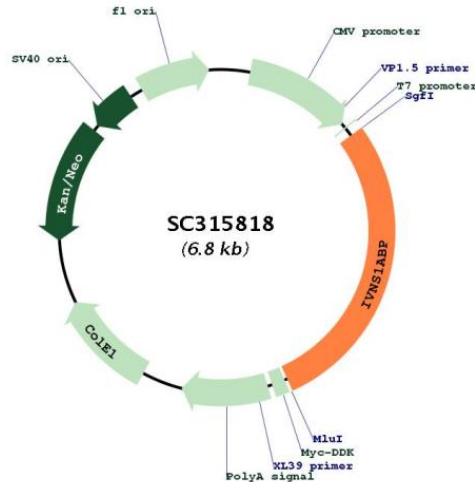
**Fully Sequenced ORF:** >SC315818 representing NM\_006469.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
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GCCCTGAGGAAAAGTGGCCAGTTCTGTGATGTTTCGACTTCAGGCTGTGGCCATGAAATGTTAGCACAC
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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**Restriction Sites:** SgfI-MluI

**Plasmid Map:**



**ACCN:** NM\_006469

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_006469.4](#)

**RefSeq Size:** 4205 bp

**RefSeq ORF:** 1929 bp

**Locus ID:** 10625

**UniProt ID:** [Q9Y6Y0](#)

<b>Cytogenetics:</b>	1q25.3
<b>Domains:</b>	BTB, Kelch
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	71.7 kDa
<b>Gene Summary:</b>	<p>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 (By similarity). Protects cells from cell death induced by actin destabilization (By similarity). Functions as modifier of the AHR/Aryl hydrocarbon receptor pathway increasing the concentration of AHR available to activate transcription (PubMed:16582008). 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 (PubMed:25619834). Inhibits pre-mRNA splicing (in vitro) (PubMed:9696811).[UniProtKB/Swiss-Prot Function]</p>