

Product datasheet for **RC209701**

Influenza Virus NS1A Binding Protein (IVNS1ABP) (NM_006469) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Influenza Virus NS1A Binding Protein (IVNS1ABP) (NM_006469) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Influenza Virus NS1A Binding Protein
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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ORF Nucleotide Sequence:

>RC209701 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTCCAATGGATATTTGATGTTTGAGGATGAAAATTTTATTGAGTCTTCTGTTGCCAAATTAATG
 CCTGAGGAAAAGTGGCCAGTTCTGTGATGTTGACTTCAGGTCTGTGGCCATGAAATGTTAGCACACAG
 AGCAGTGTAGCTTGTGTCAGTCCCTATTTATTTGAAATCTTTAATAGTGATAGTGATCCTCATGGAATT
 TCTCACGTTAAATTTGATGATCTCAATCCAGAAGCTGTTGAAGTCTTGTGAATTATGCCTACACTGCTC
 AGTTGAAAGCAGATAAGGAATTGGTAAAAGATGTTTATTCTGCAGCAAAAAGCTGAAGATGGATCGAGT
 AAAGCAGGTTTGTGGTATTATTTACTGTCTAGAATGGATGTTACCAGCTGCATCTTACCAGAAATTTT
 GCAAGTTGATGGGAGACTCCCGTTTGTGAATAAGGTTGATGCTTATATTCAGGAGCATTGTTACAAA
 TTTCTGAAGAGGAGGAGTTTCTTAAGCTTCCAAGGCTAAAGTTGGAGGTAATGCTTGAAGATAATGTTTG
 CTTGCCAGCAATGGCAAATTATATACAAAGGTAATCAACTGGGTGCAGCGTAGCATCTGGGAGAATGGA
 GACAGTCTGGAAGAGCTGATGGGAGAGGTTCAAACCTTGTACTACTCAGCTGATCACAAGCTGCTTGATG
 GGAACCTACTAGATGGACAGGCTGAGGTGTTTGGCAGTGTGATGACCACATTCAGTTTGTGCAGAAAA
 GCCACCACGTGAGAAATGGCCATAAGCAGATAAGTAGCAGTTCAACTGGATGTCTCTCTTCTCCAAATGCT
 ACAGTACAAAGCCCTAAGCATGAGTGGAAAATCGTTGCTTCAGAAAAGACTTCAAATAACACTTACTTGT
 GCCTGGCTGTGCTGGATGGTATATTCTGTGTCATTTTTCTTCATGGGAGAAAACAGCCACAGAGCTCACC
 AACAAGTACTCCAAACTAAGTAAGAGTTAAGCTTTGAGATGCAACAAGATGAGCTAATCGAAAAGCCC
 ATGTCTCCTATGCAGTACGCACGATCTGGTCTGGGAACAGCAGAGATGAATGGCAAACCTCATAGCTGCAG
 GTGGCTATAACAGAGAGGAATGTCTTGAACAGTCAATGCTATAATCCACATACAGATCACTGGTCTCT
 TCTTGCTCCCATGAGAACACCAAGAGCCCGATTTCAAATGGCTGTACTCATGGGCCAGCTCTATGTGGTA
 GGTGGATCAAATGGCCACTCAGATGACCTGAGTTGTGGAGAGATGTATGATTCAAACATAGATGACTGGA
 TTCCTGTTCCAGAATTGAGAATAACCGTTGTAATGCAGGAGTGTGTGCTCTGAATGAAAAGTTATACAT
 CGTTGGTGGCTCTGATCCATATGGTCAAAAAGGACTGAAAAATTGTGATGATTTTGATCCTGTAACAAAAG
 TTGTGGACAAGCTGTGCCCTCTTAACATTGCGAGACACCAGTCTGCAGTCTGTGAGCTTGGTGGTTATT
 TGTACATAATCGGAGGTGCAGAATCTTGAATTTGCTGAACACAGTAGAACGATAACAATCCTGAAAATAA
 TACCTGGACTTTAATTGCACCCATGAATGTGGCTAGGCGAGGAGCTGGAGTGGCTGTTCTTAATGAAAA
 CTGTTTGTATGTGGTGGCTTTGATGGTTCTCATGCCATCAGTTGTGTGGAATGTATGATCCAATAGAA
 ATGAATGGAAGATGATGGGAAATATGACTTCACCAAGGAGCAATGCTGGGATTGCAACTGTAGGGAACAC
 CATTTATGCAGTGGGAGGATTCCATGGCAATGAATTTCTGAATACGGTGGAAAGTCTATAACCTTGAGTCA
 AATGAATGGAGCCCTATACAAAGATTTTCCAGTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC209701 protein sequence
Red=Cloning site Green=Tags(s)

MIPNGYLMFEDENFISSVAKLNALRKSGQFCDVRLQVCGHEMLAHRAVLACCSPYLFEIFNSDSDPHGI
 SHVKFDDLNPEAVEVLLNYAYTAQLKADKELVKDVYSAAKKLMKDRVKQVCGDYLLSRMDVTSCISYRNF
 ASCMGDSRLLNKVDAYIQEHLQLISEEEFLKLPRLKLEVMLEDNVCLPSNGKLYTKVINWVQRSIWENG
 DSLEELMGEVQTLYYADHKLLDGNLLDGQAEVFGSDDDHQFVQKPPRENGHKQISSSTGCLSSPNA
 TVQSPKHEWKIVASEKTSNNTYLCLAVLDGIFCVIFLHGRNSPQSPTSTPKLSKLSFEMQQDELIEKP
 MSPMQYARSLGTAEMNGKLIAGGYNREECLRTVECYNPHTDHSFLAPMRTPRARFQMAVLMGQLYVV
 GGSNGHSDDLSCGEMYDSNIDDWIPVELRTRNRCNAGVCALNGKLYIVGGSDPYGQKGLKNCDVDFPVTK
 LWTSCAPLNIRRHQSACVCEGGYLYIIGGAESWNCLNTVERYNPENNTWTLIAPMNVARRGAGVAVLNGK
 LFVCGGFDGSHAISCVEMYDPTRNEWKMMGNMSPRSNAGIATVGNTIYAVGGFDGNEFLNTVEVYNLES
 NEWSPYTKIFQF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6278_e12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006469

ORF Size: 1929 bp

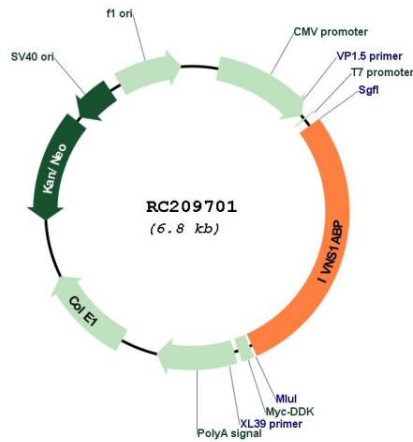
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

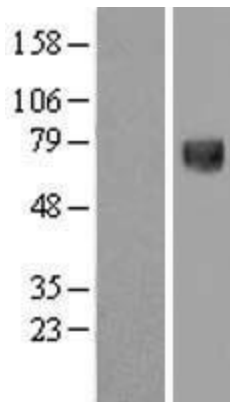
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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:	NM_006469.5
RefSeq Size:	4113 bp
RefSeq ORF:	1929 bp
Locus ID:	10625
UniProt ID:	Q9Y6Y0
Cytogenetics:	1q25.3
Domains:	BTB, Kelch
Protein Families:	Transcription Factors
MW:	71.7 kDa
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 (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]

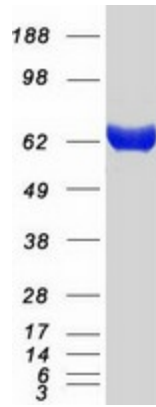
Product images:



Circular map for RC209701



Western blot validation of overexpression lysate (Cat# [LY416621]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209701 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified IVNS1ABP protein (Cat# [TP309701]). The protein was produced from HEK293T cells transfected with IVNS1ABP cDNA clone (Cat# RC209701) using MegaTran 2.0 (Cat# [TT210002]).