

Product datasheet for **MR225886**

lvns1abp (NM_001039512) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	lvns1abp (NM_001039512) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	lvns1abp
Synonyms:	1190004M08Rik; 1700126I16Rik; AA960440; HSPC068; mKIAA0850; ND1; Nd1-L; Nd1-S; NS-1; NS1-BP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR225886 representing NM_001039512
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATTCCAATGGATATTTGATGTTTGAAGATGAAAATTTTATTGAATCATCTGTTGCCAAATTAATG
 CCTTGAGGAAGAGTGGGCAGTTCTGTGATGTTGACTTCAGGCTGTGGCCATGAGATGCTAGCACACAG
 GGCAGTCTGGCTTGCTGTAGCCCTATCTATTTGAAATCTCAATAGTGACAGTGACCCTCATGGAGTT
 TCTCATGTGAAGTTGGATGATCTCAATCCAGAAGCTGTTGAAGTCTTGCTGAATTATGCATACACGGCTC
 AGTTGAAAGCTGATAAGGAATTAGTAAAAGATGTTTATTCTGCAGCCAAGAAGCTGAAGATGGACCGAGT
 CAAGCAGGTCTGCGGAGATTATTTACTATCTAGAATGGATGTTACTAGCTGCATCTTACCAGAAATTTT
 GCAAGTTGATGGGAGACTCCCGTTTGTGAATAAAGTTGACGCTTATATTCAGGAGCATTGTGTACAAA
 TTTCAGAAGAGGAGGAATTTCTAAGCTCCGAGACTAAAGGTTCAAACCTTGACTACTCAGCTGATCA
 CAAGCTGCTTGATGGGAACCCACTAGATGGACAGGCTGAGGTGTTGGCAGTGATGATGACCACATTCAG
 TTTGTGCAGAAAAGCCACCCCGTGAGAATGGCCATAAGCAGATAAGTGCCAGTTCACCTGGATGTCTCT
 CTTCTCCAAATGCTTCAATGCAAAGCCCTAAGCATGAGTGGAATAATCGTTGCTTCAGAAAAGACTTCAAA
 TAACACTTACTTGTGCTGGCTGTGCTGGACAGTACATTTCTGTGCATTTTCTTTCATGGGCGGAACAGT
 CCACAGAGCTCACCAACAAGTACTCCAAAAGTACTGAGCAAGAGTTTAAAGCTTCGAGATGCAACCAGATGAGC
 TTCTAGAAAAGCCCATGTCTCCCATGCAGTACGCACGGTCTGGACTAGGGACAGCAGAGATGAATGGCAA
 ACTCATAGCTGCAGGTGGTTATAACAGAGAGGAATGTCTTCGAACAGTTGAATGCTATGATCCACATACA
 GATCACTGGTCTTCTTGTCTCCATGAGAACACCAAGAGCCCGTTTCAAATGGCTGTGTGATGGGAC
 AGCTCTATGTGGTGGGTGGATCAAATGGACACTCAGATGACCTGAGTTGTGGAGAAATGATGATCCAAA
 CATTGATGACTGGACCCCTGTTCCAGAGCTGAGAACCAACCGTTGTAATGCAGGAGTGTGTGCTGTAAT
 GGGAAATGTACATTGTTGGTGGCTCTGATCCATATGGTCAAAGGGCCTGAAAATTTGTGATGATTTG
 ATCCTGTAAACGAAGTCATGGACAAGCTGTGCTCTCTTAACTTCGTCGACACCAGTCTGCAGTTTGTGA
 ACTTGGTGGTTATTTGTATATAATTGGAGGTGCAGAATCTTGAATTGTCTGAACACAGTAGAACGATAC
 AATCCTGAAAACAACACCTGGACTTTAATTGCACCCATGAATGTGGCGAGGCGAGGGGCTGGAGTCGCTG
 TGCTTGATGGAAAAGTGTGTAGGTGGTGGCTTTGATGGTTCTCACGCCATCAGTTGTGTGGAGATGTA
 TGATCCAAGTGAATGAATGGAAGATGATGGAAATATGACTTCACCAAGGAGCAATGCTGGGATCACA
 ACTGTAGGAATACCATTTATGCAGTGGGAGATTGATGGCAATGAGTTTCTGAATACTGTGGAAGTCT
 ACAACCTCAGTCAAATGAGTGGAGCCCTTACACAAAGATTTTCCAGTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225886 representing NM_001039512
 Red=Cloning site Green=Tags(s)

MIPNGYLMFEDENFIESSVAKLNALRKSGQFCDVRLQVCGHEMLAHRVLAACSPYLFEIFNSDSDPHGV
 SHVKLDDLNPEAVEVLLNYAYTAQLKADKELVKDVYSAAKKLMKDRVKQVCGDYLLSRMDVTSCISYRNF
 ASCMGDSRLLNKVDAYIQEHLQISEEEFLKLPRLKVQTLYYSAADHKLKLDGNPLDGQAEVFGSDDHDIQ
 FVQKKPPRENGHKQISGSSTGCLSSPNASMQSPKHEWKIVASEKTSNNTYLCLAVLDSTFCVIFLHGRNS
 PQSSPTSTPKLSKSLSFEMQPDELLEKPMSPMQYARSLGTAEMNGKLIAGGYNREECLRTVECYDPHT
 DHWSFLAPMRTPRARFQMAVLMGQLYVVGGSNGHSDDLSCGEMYPNIDDWTPVPELRTNRCNAGVCALN
 GKLYIVGGSDPYQKGLKNCDVFDVTKSWTSCAPLNIRRHQSAVCELGGYLYIIGGAESWNCLNTVERY
 NPENNTWTLIAPMNVARRGAVLDGKLFVGGFDGSHAI SCVEMYDPTRNEWKMMGNMTSPRSNAGIT
 TVGNITYAVGGFDGNEFLNTVEVYNPQSNESWPYTKIFQF

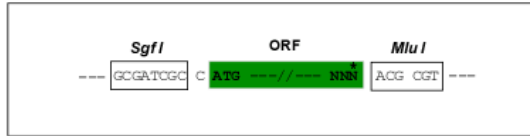
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

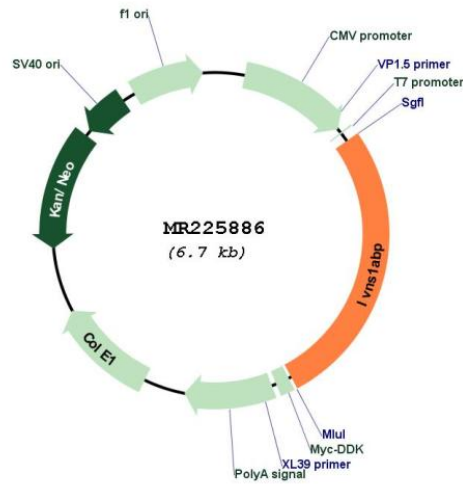
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001039512
 ORF Size: 1800 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_001039512.1 , NP_001034601.1
RefSeq Size:	3387 bp
RefSeq ORF:	1803 bp
Locus ID:	117198
UniProt ID:	Q920Q8
Cytogenetics:	1 G1
MW:	67.1 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 (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]