

## Product datasheet for MR226491

### Ighmbp2 (NM\_009212) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ighmbp2 (NM_009212) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ighmbp2
Synonyms:	AEP; Catf1; nmd; RIPE3b1; sma; Smbp-2; Smbp2; Smubp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226491 representing NM_009212 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGCCTCGTCCACCGTGGAGAGTTTCGTGGCCAGCAGCTACAGCTGCTGGAGCTGGAGCGGGACGCCG  
AGGTGGAGGAGCGCAGGTCCTGGCAGGAACACAGTTCTCTGAGAGAGCTTCAGAGCCGAGGGGTGTGCTT  
GCTGAAGCTTCAGGTATCCAGCCAGCGCACAGGGCTGTATGGCAGCGGCTGGTACCTTTGAGCCAGG  
AAGTTTGGACCTGCAGTGGTCTTCTAGCAACAGCTTCACTCTGGTGTATTGTGGTCTGTATGATA  
CTAATGAAAACAGTCAACTGGCCACTGGGGTCTGACCCGAATCACCCAAAATCAGTCACAGTGGCTTT  
TGATGAGTCCCATGATCTCCAGCTGAACCTGGACAGAGAGAATACCTACAGACTGCTGAAGCTTGCCAAC  
GATGTCACCTACAAACGCTGAAAAAGCACTGATGACACTGAAGAAGTACCACTCTGGGCCAGCATCCT  
CCCTCATAGACATCCTGTTGGGCAGCTCCACCCAAAGTCTGCCATGGAAATACCCCACTCTCTTTCTA  
CAACACAACTCTGGACCTTTCCAGAAAAGAGCTGTGTCTTTGCACTGGCCAGAAAAGAACTTGCCATC  
ATCCATGGGCCTCCTGGCACTGGGAAAACCACAACCTGTGGTGGAAATAATCCTTCAAGCTGTGAAGCAAG  
GCTTAAAGGTCTGTGCTGTGCTCCCTCCAACATCGCTGTGGACAACCTGGTGGAGCGTCTGGCTCTGTG  
CAAGAAGCGGATTCTGCGCTGGGTACCCCGCCGCTCCTGGAGTCCGTTCCAGCACCACCTCACTGGAT  
GCAGTGTAGCACGCAGTGACAACGCCAGATTGTTGCTGACATCAGAAGGGACATAGACCAGGCTTTTG  
GCAAGAACA AAAAGACGCAGGATAAGAGAGAGAAAGGTAATTTTCGAAAGTAAAATTAAGCTGCTAAGGAA  
GAACTGAAGGAGAGGGAAGAAGCAGCCATAGTTCAGAGCCTCACTGCGGCAGATGTGGTTCTAGCCACC  
AACACAGGTGCATCGTCTGATGGCCTCTGAAGCTGCTGCCTGAGGACTACTTTGATGTGGTGGTGGTGG  
ACGAATGTGCCAGGCCCTAGAAGCCAGCTGCTGGATCCCCCTGCTGAAGGCCCAAGTGCATCCTAGC  
TGGGGACCACAGACAGCTGCCACCCACCACCGTCTCTCACAGGGCGCACTGGCTGGGCTGTCCCGCAGC  
CTGATGGAGCGTCTGGCAGAGAAGCATGGTGTGGTGTGGTGGAGGATGCTGACGGTACAGTACCGAATGC  
ACCAGGCCATCATGTGCTGGCCTCGGAGGCCATGTACCACGGGCAGCTTACTTCCCATCCCTCTGTGGC  
AGGACACCTCCTGAAGGACCTCCAGGCGTGACTGACACAGAGGAGACACGTGTCCGCTGCTGCTCATA



[View online »](#)

GACACCGCTGGCTGTGGGCTTCTGGAGCTGGAGGAGGAGGACAGCCAGTCCAAGGAAATCCGGGCGAAG  
 TTCGCCTCGTCACTTTGCACATCCAGGCTCTGGTGGATGCTGGGGTCCAGGCAGGTGACATTGCCGTCAT  
 CGCACCTTACAACCTTCAGTGGATCTGCTCAGACAGAGCCTCTCCAACAAGCACCTGAGCTGGAGATT  
 AAGTCTGTTGATGGCTTTCAGGCGGAGAGAAAGAGGCTGTGCTCCTGACCTTTGTCAAGTCCAATAGGA  
 AAGGTGAAGTTGGTTTTCTGGCTGAGGACAGGCGGATTAATGTTGCTGTTACCCGTGCTCGGCGGCACGT  
 GGCAGTCATCTGTGATTTCCACACTGTCAACAACCATGCTTTTTTGAAGACCTTGGTGGATTATTTTACA  
 GAGCATGGGGAGGTACGCACAGCCTTTGAATACTGGATGACATCGTCCCTGAGAATACACCCATGAGG  
 GTTCCCAGGGCCACAGCGGTGTCCCAAACCCAAGTGCCCAAGCAGCCTCCATCAGGAAGCCTGCCAGTGA  
 TCAGGAGAGTGGCCAGGAGACCAGAGCAGCCCTAGACATGGCCGAGGAAGCCAAGCGAGAAGCCCCCG  
 GGCTCTCACGTCCAGTCCAGCAGACTCCAGTCAAATGGCTCTGACAGAACTGGAGGCCAGACCCGGA  
 CAGAGCACTTTAGGGCTACGATTGAGGAGTTTGTGGCTAGCAAGGAGTCCAGTTGGAGTTTCCACATC  
 CCTGAGTTCCCATGACAGGCTGCGAGTCCACCAGTTAGCTGAGGAGTTCGGGCTGAGGCACGACAGCACC  
 GGGGAGGGGAAGGCTCGGCACATCACAGTGAGCAGGAGGACCCTGCCAGCTCTGGCAGTGTAGCCCCAC  
 AGCCTTCTCACCGCCAGCCCTGCACAGGCTGAGCCTGAGCCTCGGGCAGAGGAGCCCGTACCCTCGT  
 GCAGGCACATTGCCCTGTACAGCTGGATCTGAAGGCACTGCATCTGGAGAGGCTGCAGCGCAGCAAAGC  
 TCCAGGCTCAGACAGCCAAGGGTCAGCCAGGTGGGGACTCGAGGCCACAGAAGGCTTACAGAAGAAAA  
 AGAAAAAGAACCAAAAGGTCCAGTTATGGCTCTGCCCTGTGAGGAGGACTTCGACGCCCTGGTGTCTGC  
 TGTGGTGAAGGCTGACAACACCTGTAGCTTCTCCAAGTGTGGCCAGCACCACCACTCTGGGCCAGTTC  
 TGCATGCACTGTAGCCACCGCTACTGCCTCAGCCACCACTGCCTGAAATCCACGGCTGTGGAGAAAAGG  
 CTCGTGCCATGCCCGCCAGAGGATTAGCCGGGAAGGAGTGTGTATGCAGGCAGTGGGACCAAGGACAG  
 GGCCCTGGACCCGGCCAAGAGGGCCAGCTGCAGAGGAGGCTGGACAAGAAGCTGGGCGAGCTCAGCAGC  
 CAGAGGACAAGCAGGAAGAAGGAGAAGGAGAGGGGGACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGAT AAGTTTAA

**Protein Sequence:**

>MR226491 representing NM\_009212  
 Red=Cloning site Green=Tags(s)

MASSTVESFVAQQLLLELERDAEVEERRSQEHSSRELQSRGVCLLKLQVSSQRTGLYQRLVTFEPR  
 KFGPAVVLPSNSFTSGDIVGLYDTNENSQLATGVLTRITQKSVTVAFDESHDLQLNLDRENTYRLLKLAN  
 DVTYKRLKALMTLKKYHSGPASSLIDILLGSSTPSPAMEIPPLSFYNTTLDLSQKEAVSFALAQKELAI  
 IHGPPGTGKTTTVEIILQAVKQGLKVLCCAPSNIAVDNLVERLALCKKRILRLGHPARLLESVQHSLD  
 AVLARSDNAQIVADIRRIDQVFGKNKKTQDKREKGNFRSEIKLLRKLKEREAAIVQSLTAADVVLAT  
 NTGASSDGPLKLLPEDYFDVVVDECAQALEASCWIPLLKAPKCILAGDHRQLPPTTVSHRAALAGLSRS  
 LMERLAEKHGAGVVRMLTVQYRMHQAIMCWASEAMYHGQLTSHPSVAGHLLKDLPGVTDTEETRVPLLLI  
 DTAGCGLLEEEEDSQSKGNPGEVRLVTLHIQALVDAGVQAGDIAVIAPYNLQVDLLRQSLSNKHPELEI  
 KSVDGFQGREKEAVLLTFVRSNRKGEVGLAEDRRINAVTRARRHVAVICDSHTVNNHAFKTLVDYFT  
 EHGEVRTAFEYLDDIVPENYTHEGSQHSRVPKPKPSTSIKRPASDQESGQETRAAPRHRRKPSEKPP  
 GSHVQSQHSSSANGSDRTGGPDRTEHFRAITIEEFVASKESQLEFPTSLSSHDRLRVHQLAEFGLRHDST  
 GEGKARHITVSRSPASSGSVAPQSPSPSPAQAEPEPRAEPTVVVQAHCPVQLDLKALHLERLQRQSS  
 SQAQTAKQPQGGSRPQKASQKKKKKEPKGPMALPCEEDFDALVSAVVKADNTCSFSKCSASTTTLGQF  
 CMHCSHRYCLSHHLPEIHGCGEKARAHARQRI SREGVL YAGSGTKDRALDPAKRAQLQRRLDKKL GELSS  
 QRTSRKKEKERGT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9037\\_c12.zip](https://cdn.origene.com/chromatograms/mm9037_c12.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_009212

**ORF Size:** 2979 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:**
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.

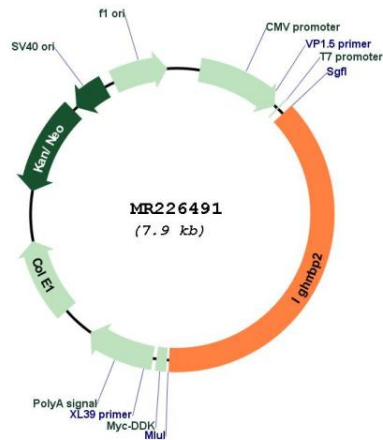
**RefSeq:** [NM\\_009212.2](#), [NP\\_033238.2](#)

**RefSeq Size:** 5562 bp

**RefSeq ORF:** 2982 bp

Locus ID: 20589  
 Cytogenetics: 19 3.03 cM  
 MW: 109.8 kDa

**Product images:**



Circular map for MR226491