

## Product datasheet for **RR207390**

### Ighmbp2 (NM\_031586) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ighmbp2 (NM_031586) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ighmbp2
Synonyms:	AEP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR207390 representing NM_031586 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCCTCGTACACCGTGGAGAGTTTTGTGGCCAGCAGCTACAGCTGTTGGAGCTAGAGCGGGACGCCG  
AGGTGGAGGAGCGCAGGTCCTGGCAGGAACACAGTTCTCTGAAAGAGCTTCAGAGCCGAGGGGTGTGTTT  
GCTGAAGCTTCAGGTATCGGGCCAGCGCACCGGTTGTATGGACAGCGGCTGGTACCTTTGAGCCAGG  
AAGTTTGGGCCTGCAAGTGGTGTCTCCAGCAACAGCTTACCTCTGGTGATATCGTGGGTCTGTATGATA  
CTAATGAAAGCAGCCAACCTGGCCACTGGGGTCTGACCCGCATCACCCAAAAATCGGTCATAGTGGCCTT  
TGATGAGTCCCATGATTTCCAGTTGAACCTGGACCGAGAAAAATACCTACAGACTGCTGAAGCTTGCCAAT  
GACGTCACCTACAAACGCCTGAAAAAGCTCTGCTGACACTGAAGAAGTACCATTCTGGGCCAGCATCCT  
CGCTCATTGATGTCCTGTTGGGTGGCTCCACCCAGTCTGCCACTGAAATACCCCGCTCACTTTCTA  
CAACACGACCTGGACCTTCCAGAAAAGAGCTGTGTCTTTGCGCTGGCGCAGAAAAGAGTTGCCATC  
ATCCATGGGCCTCCTGGCACTGGGAAAACCAACTGTGGTGGAAATAATCCTTCAAGCTGTGAAGCAAG  
GCTTAAAGTTCTATGCTGTGCTCCCTCCAACATCGCTGTGGACAACCTGGTGGAGCGTCTGGCTCTGTG  
CAAGAAGCAGATTCTTCGCTGGGTACCCCGCCGCTCCTGGAGTCTGTTCAGCAGCACTCACTGGAC  
GCAAGTGTAGCACGCACTGACAATGCCAGATTGTTGCTGACATCAGAAGGGACATTGACCAGGTCTTTG  
GCAAGAACAAGAAAGACCAAGATAAGAGAGAAAAAGTAAATTTTCGAAATGAAATTAAGCTGCTAAGGAA  
GGAAGTGAAGGAAAGGGAAGCAGCCATAGTTCAGAGCCTCAGTGCAGCAGATGTGGTTCTAGCCACC  
AACACAGGTGCATCTACTGATGGCCCCGTAAGCTGCTGCCTGAGGACTACTTTGATGTGGTGGTGGTGG  
ACGAGTGCGCCAGGCCCTAGAAGCCAGTCTGGATTCCCTGCTGAAGGCCCTAAGTGCATCCTAGC  
TGGAGACCACAAACAGCTGCCACCCACTGTCTCTACAAGGCAGCACTGGCTGGGCTGTCCCGCAGC  
CTGATGGAGCGTCTGGCAGAGAAGCATGGTGTCTGTGTAAGGATGCTGGCGTCCAGTACCGAATGC  
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AGGACACCTTCTGAAGGACCTCCAGGTGTGGCTGACACAGAGGAGACGAGTGTCCCTCTGCTGCTCATA  
GACACAGCTGGCTGCGGGCTGCTGGAGCTGGAGGAGGAAGACAGCCAGTCCAAGGAAAACCCCGGTGAAG



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TTCGCCTCGTCACTTTGCACATCCAGGCTCTGGTGGATGCTGGGGTCCAGGCTGGTGACATTGCCGTCAT  
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 GGCAGAGGATTAGCCGGGAAGGAGTACTCTACGCAGGCAAGGACAGGGCCCTGGACCCAGC  
 CAAGAGGGCCAGCTGCAGAGGAACTGGACAAGAAGCTGGGCGAGCTCAGCAGCCAGAGGACAAGCAAG  
 AAGAAGGAGAAGGAGAGGGGACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR207390 representing NM\_031586  
 Red=Cloning site Green=Tags(s)

MASYTVESFVAQQLLLELERDAEVEERRSQEHSSLKEQLSRGVCLLKLQVSGQRTGLYGQRLVTFEPR  
 KFGPAVVLPSNSFTSGDIVGLYDTNESSQLATGVLTRITQKSVIVAFDESHDFQLNLDRENTYRLLKLAN  
 DVTYKRLKALLTLKKYHSGPASSLIDVLLGGSTPSPATEIPPLTFYNTTLDPSQKEAVSFALAQKEVAI  
 IHGPPGTGKTTTVEIILQAVKQGLKVLCCAPSNIAVDNLVERLALCKKQILRLGHPARLLESVQQHSLD  
 AVLARSDNAQIVADIRRIDQVFGKNKKTQDKREKSNFRNEIKLLRKELKEREAAIVQSLSAADVVLAT  
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 LMERLAEKHGAAVRMLAVQYRMHQAITRWASEAMYHGQLTAHPSVAGHLLKDLPGVADTEETSVPLLLI  
 DTAGCGLLEEEEDSQSKGNPGEVRLVTLHIQALVDAGVQAGDIAVIAPYNLQVDLLRQSLSNKHPELEI  
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 EHGEVRTAFEYLLDIPENYTHEGSRSHSCAPKPKCPTTSVRKPAQAQESRQEARAATGHSRRKPKSEKPL  
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 AQSQGLGGSRPQKAPQKKKKKEPKGPAMALPSEEDFDALVSAVVKADNTCSFTKCSASTTLGQFCMHCS  
 RRYCLSHHLPEIHGCGEKARAHARQIRISREGVL YAGSGTKDRALDPAKRAQLQRKLDKKGELSSQRTSK  
 KKEKERGT

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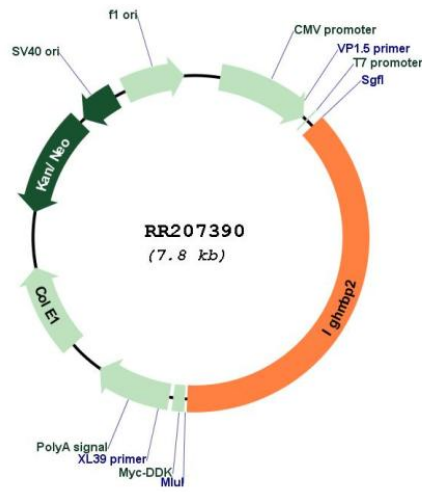
**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM\_031586  
 ORF Size: 2964 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_031586.1</a> , <a href="#">NP_113774.1</a>
<b>RefSeq Size:</b>	3166 bp
<b>RefSeq ORF:</b>	2967 bp
<b>Locus ID:</b>	29532
<b>UniProt ID:</b>	<a href="#">Q9EQN5</a>
<b>Cytogenetics:</b>	1q42
<b>MW:</b>	108.4 kDa
<b>Gene Summary:</b>	forms a DNA-protein complex with element B [RGD, Feb 2006]