

## Product datasheet for **RR210798**

### Pag1 (NM\_022253) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pag1 (NM_022253) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pag1
Synonyms:	Cbp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR210798 representing NM_022253 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGACCTGCAGGAAGCGCCCTGAGCAGCGGGCAGATGCAGATGCAGATGGTGTGTGGGAAGTCTGG  
CTGCGGTGGCCATGTTCTTCTCATCACCTTCTCATCCTTCTGTGCTCCAGTTGTGACAGAGACAAGAA  
GCCACGGCAGCATAGTGGAGACCATGAGAGCCTGATGAATGTGCCTTCCGACAAGGAGATGTTCCAGCCAT  
TCAGCGACCAGCCTGACCACAGATGCACTGGCCAGCAGCGAACAGAAATGGGGTGCTCACCAACGGGACCA  
TCTTTTCAAGAAGACAGCAATGACCTGCATGCAGCATTATGAGGAAGTCCAGACCTCAGCTTCAGATCT  
GCTGGACTCCCAGGACAGCACGGGAAAGGCCAAGTCCACCAGAGCCGGGAACTGCCCAGAATCCCGCCT  
GAGAACGCAGTGGACGCGATGCTCACCGCCAGGGCCGAGATGGGGACTCCGGGCCCGGCGTGGAGGGGC  
CCTACGAGGTGCTCAAGGATAGTTCTCCAGGAGAACATGGTGGAGGACTGCTTGTATGAGACAGTGAA  
GGAAATCAAGGAGGTGGCAGACAAAAGCCAGGGCGCAAGTCCAAGTCCACTTCTGCCCTGAAGGAGCTT  
CAGGGGGCCACGCCGAGGGCAAGGCCGACTTTGCTGAATACGCCCTCTGTGGACAGAAAACAAAAGTGCC  
GCCACAGCACAAATGCAGAGAGCATTCTGGGAACGTCCAGTGCCTGGATGAGGAAAACCCACCGCCTGT  
CCCAGTTAACTTCTGGATGAGAATGCCAACCTTCCAGGAAGGGAGAGCACGGGGCAGAAGAGCAAGCT  
CCAGAAGCACCCAGTGGACACAGCAAGAGATTTAGTTCCTTGTCATAAAGTCTCGAGAAGAAGACCCAA  
CTCTTACAGAAGAGGAGATCTCAGCAATGTATTCTTCAAGTGAATAAGCCTGGACAATCGGCACACAAACC  
TGGGCCGGAATCTACCTGCCAGTCCCGCAGGGTCCCCCTCAGAGGTGATCATCTTCTGTAAACGACCTC  
TATGCCACTGTGAAAGACTTCGAGAAAACCTCCCAACAGCATCAGCATGCTGCCACCAGCAAGGAGGCCCG  
GTGAGGAACCAGGCCTGACTATGAAGCCATACAGACTCTAAACAGAGAGGACGACAAGGTCCCTCTGGG  
GACCAATGGCCACCTGTCCCAAGGAGAATGACTATGAGAGCATTGGGGACTTGACGAAGGCAGGGAT  
GTCACCAGGCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RR210798 representing NM\_022253  
Red=Cloning site Green=Tags(s)

MGPAGSALSSGQMQMVMVLWGLAAVAMFFLITFLILLCSSCDRDKKPRQHS GDHESLMNVPSDKEMF SH  
 SATSLTTDALASSEQNGVL TNGDILSEDSTMTCMQHYYEVQTSASDLLDSQDSTGKAKCHQSRELPRIPP  
 ENAVDAML TARAADGDSGPGVEGPEYVLK DSSSQENMVEDCLYEYVKEI KEVADK SQGGKSKST SALKEL  
 QGAHAEGKADFAEYASVDRNKKCRHSTNAESILGTSSDLDEETPPPVPVKLLDENANLPEKGEHGAE EQA  
 PEAPSGHSKRFSSLSYK SREEDPTL TEEETISAMYSSVNKPGQSAHKPGPESTCQCQPQRPQRSSSSCNDL  
 YATVKDFEKT P NSISMLPPARRPGEEPEPDYEAIQTLNREDDKVPLGTNGHLVPKENDYESIGDLQQGRD  
 VTRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

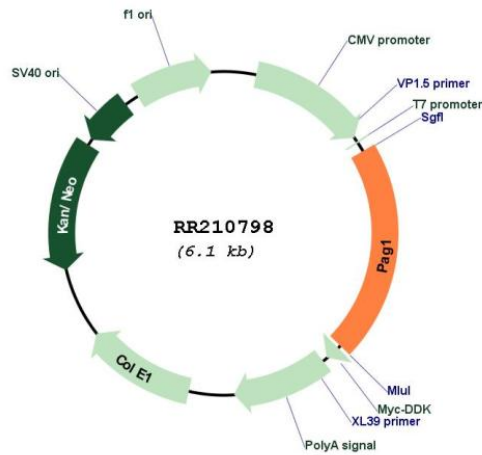
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_022253

<b>ORF Size:</b>	1272 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_022253.1</a> , <a href="#">NP_071589.1</a>
<b>RefSeq Size:</b>	1353 bp
<b>RefSeq ORF:</b>	1275 bp
<b>Locus ID:</b>	64019
<b>UniProt ID:</b>	<a href="#">Q9JIM80</a>
<b>Cytogenetics:</b>	2q23
<b>MW:</b>	45.9 kDa
<b>Gene Summary:</b>	plays a role in negative regulation of FcepsilonRI signaling [RGD, Feb 2006]