

## Product datasheet for **MR221425**

### Enpp7 (NM\_001030291) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Enpp7 (NM_001030291) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Enpp7
Synonyms:	Alk-SMase; Gm254
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR221425 representing NM\_001030291  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGACACTCAGCTGTCTTCTCTGTGTGGCTCTGGCCATTCTCCAGCTTGTGTCACTGGGGCCCTG  
 TCCAAAGACAGCATAAGCTACTCCTCGTATCCTTTGACGGATTCCGCTGGAAGTATGACCAAGACGTGGA  
 CACCCCAACCTGGACTCCATGGCTCAGGAAGGGGTAAGCCAGTATATGACTCCTGCCTTTGTCAAC  
 ATGACCAGCCCTGCCACTTTACTACTGGTCACCGGCAAAATACATCGAGAACCATGGGGTGGTCCACAACA  
 TGTTCTACAATACCACCAGCACGGTGAGGCTGCCCTACCACGCCACGCTCGGTATCCAGAGGTGGTGGGA  
 CAACGGCAGCATACCCATCTGGATCACAGCCAGAGGCAGGGCTAAAAACCGGCTCCTTCTTACCCC  
 GGTGGGAACGTCACCTACCAAGGAGAGGCCGTACGATGAGCCGAAGGAGGGCGCTTACACAATTACA  
 AAAATGAGACGGAGTGGAGGGGAATGTGGACACGGTGATGAAGTGGTCTGGAAGAAGATGTGTCCCT  
 GGTCACTCTACTTTGGGGAGCCAGACTCCACTGGCCACAAGTATGGCCCTGAGTCCCAGGAGAGGAAG  
 GACATGGTGAAGCAGGTAGACAGGACTGTGGGCTACCTCCGGGACAGCATCAAGCCACCACCTCTCCG  
 ACAGCCTCAACCTGATTATCACATCGGACCACGGTATGACAACCGTCAACAAGAAGGCTAGTGATCTGGT  
 GGAGTTCACAAGTTCTCCAACCTCACCTTCCAGGACATCCAGTTTGAGCTGTTGGACTATGGGCATC  
 GGGATGCTGATACCAAGGAAGGGATGCTGGAGAAAGTTTACAGTGTCTGAAGGACGCCACCCAGGC  
 TGCATGTGTACAAGAAGGAGGACTTCCCGAAGAAGTCTTACTACGCCAACACCCAGGATCACACCTCT  
 GCTCATGTACAGTGACCTCGGCTATGTTATCCACGGGAGAGTGAATGTCCAGTTCAACAATGGTGAACAT  
 GGCTTCAACAACCAAGACATGGACATGAAGACCATCTTCCGGGCCGTGGGTCCCAGCTTCAAGGCAGGCT  
 TGGAGGTGGAACCTTCCAGAGTGTCCATGTGTATGAGCTCATGTGCCAGTTGCTGGGKATGTGCCCGA  
 GCCCAACGATGGGAATCCTGGCATCCTGCGACCCATGCTCCGGTCAGGGTCCGCGCTCTTGCTCAGCAGT  
 CAGCACCACTTGGTGGCGTTGTTGTGCAGGAGCCAGAACACAGCAGCATCTGGATTCTACCAAGCTGGT  
 ACTCCAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR221425 representing NM\_001030291  
 Red=Cloning site Green=Tags(s)

MGHSAVLLCVALAILPACVTGAPVQRQHKLLLVSFDFGRWNYDQDVPNLDSMAQEGVKAQYMTPAFVT  
 MTSPCHF TLVTGKYIENHGVVHNMFYNTTSTVRLPYHATLGIQRWWDNGSIPWIWITAQRQGLKTSFFYP  
 GGNVTYQGEAVTMSRKEGVLHNYKNETEWRGNVDTVMKWFLEEDVSLVTLVYFGEPTDSTGHKYGPESQERK  
 DMVKQVDRTVGYLRDSIKRHHLSDSLNIITSDHGMTTVNKKASDLVEFHKFSNFTFQDIQFELLDYGP  
 I GMLIPKEGMLEKYSVLKDAHPRLHVYKKEFPKNFHYANNPRITPLLMYSDLGYVIHGRVNVQFNNGEH  
 GFNNQDMDMKTIFRAVGPSFKAGLEVPEFESVHVYELMCQLLGI VPEPNDGNPGLRPMRLRSGSASLLSS  
 QHHLVALLCRSQNTAASGFYQAGDSN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9065\\_b02.zip](https://cdn.origene.com/chromatograms/mm9065_b02.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001030291

**ORF Size:** 1338 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\\_001030291.1](#), [NP\\_001025462.1](#)

**RefSeq Size:** 1370 bp

**RefSeq ORF:** 1341 bp

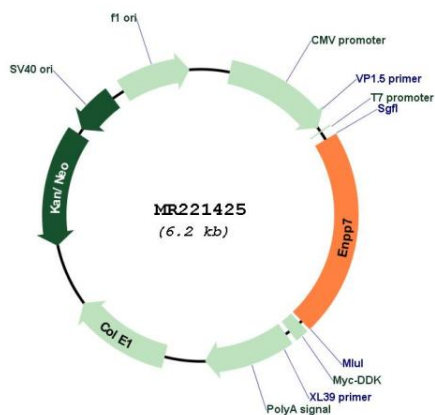
**Locus ID:** 238011

**UniProt ID:** [D3Z6V6](#)

**Cytogenetics:** 11 E2

MW: 50.4 kDa

Product images:



Circular map for MR221425