

Product datasheet for **MG221425**

Enpp7 (NM_001030291) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Enpp7 (NM_001030291) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Enpp7
Synonyms:	Alk-SMase; Gm254
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG221425 representing NM_001030291
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGACACTCAGCTGTCTTCTCTGTGTGGCTCTGGCCATTCTCCAGCTTGTGTCACTGGGGCCCTG
 TCCAAAGACAGCATAAGCTACTCCTCGTATCCTTTGACGGATTCCGCTGGAAGTATGACCAAGACGTGGA
 CACCCCAACCTGGACTCCATGGCTCAGGAAGGGTAAAAGCCAGTATATGACTCCTGCCTTTGTCAAC
 ATGACCAGCCCTGCCACTTTACTACTGGTCACCGGCAAATACATCGAGAACCATGGGGTGGTCCACAACA
 TGTTCTACAATACCACCAGCACGGTGAGGCTGCCCTACCACGCCACGCTCGGTATCCAGAGGTGGTGGGA
 CAACGGCAGCATACCCATCTGGATCACAGCCAGAGGCAGGGCTTAAAAACCGGCTCCTTCTTACCCC
 GGTGGGAACGTCACCTACCAAGGAGAGGCCGTACGATGAGCCGAAGGAGGGCGCTTACACAATTACA
 AAAATGAGACGGAGTGGAGGGGAATGTGGACACGGTGATGAAGTGGTTCCTGGAAGAAGATGTGCCCT
 GGTCACTCTACTTTGGGGAGCCAGACTCCACTGGCCACAAGTATGGCCCTGAGTCCCAGGAGAGGAAG
 GACATGGTGAAGCAGGTAGACAGGACTGTGGGCTACCTCCGGGACAGCATCAAGCCACCACCTCTCCG
 ACAGCCTCAACCTGATTATCACATCGGACCACGGTATGACAACCGTCAACAAGAAGGCTAGTGATCTGGT
 GGAGTTCACAAGTTCTCCAACCTCACCTTCCAGGACATCCAGTTTGAGCTGTTGGACTATGGGCATC
 GGGATGCTGATACCAAGGAAGGGATGCTGGAGAAAGTTTACAGTGTCTGAAGGACGCCACCCAGGC
 TGCATGTGTACAAGAAGGAGGACTTCCCGAAGAACTTTCCTACGCCAACACCCAGGATCACACCTCT
 GCTCATGTACAGTGACCTCGGCTATGTTATCCACGGGAGAGTGAATGTCCAGTTCAACAATGGTGAACAT
 GGCTTCAACAACCAAGACATGGACATGAAGACCATCTTCCGGGCCGTGGGTCCCAGCTTCAAGGCAGGCT
 TGGAGGTGGAACCTTTCAGAGTGTCCATGTGTATGAGCTCATGTGCCAGTTGCTGGGCATTGTCCCCGA
 GCCAACGATGGGAATCCTGGCATCCTGCGACCCATGCTCCGGTCAGGGTCCGCGTCTTGTCTCAGCAGT
 CAGCACCACTTGGTGGCGTTGTTGTGCAGGAGCCAGAACACAGCAGCATCTGGATTCTACCAAGCTGGT
 ACTCCAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG221425 representing NM_001030291
 Red=Cloning site Green=Tags(s)

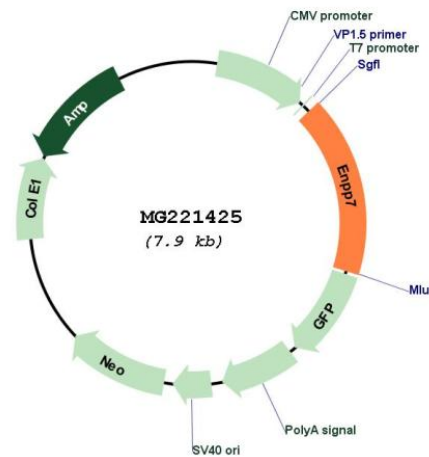
MGHSAVLLCVALAILPACVTGAPVQRQHKLLLVSFDGFRWNYDQDVPNLDSMAQEGVKAQYMTPAFVT
 MTSPCHFLLVTGKYIENHGCVVHNMFYNTTSTVRLPYHATLGIQRWWDNGSIPWIWITAQRQLKTGSFFYP
 GGNVTYQGEAVTMSRKEGVLHNYKNETEWRGNVDTVMKWFL EEDVSLVTL YFGEPDSTGHKYGPESQERK
 DMVKQVDRTVGYLRDSIKRHHLSDSLNIITSDHGM TTVNKKASDLVEFHKFSNFTFQDIQFELLDYGP I
 GMLIPKEGMLEKVVSVLKD AHPRLHVYKKE DFPKNFHYANNPRI TPLLMYSDLGYVIHGRVNVQFNNGEH
 GFNNQMDMKTIFRAVGPSFKAGLEVEPFESVHVYELMCQLLGI VPEPNDGNPILRPM LRSASLLSS
 QHHLVALLCRSQNTAASGFYQAGDSN

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:


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:	<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:	<u>NM_001030291.1</u> , <u>NP_001025462.1</u>
RefSeq Size:	1370 bp
RefSeq ORF:	1341 bp
Locus ID:	238011
UniProt ID:	<u>D3Z6V6</u>
Cytogenetics:	11 E2