

## Product datasheet for **MC222632**

### **Npepps (NM\_008942) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Npepps (NM_008942) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Npepps
Synonyms:	AAP-S; goku; MP100; Psa; R74825
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:**

>MC222632 representing NM\_008942  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGCTGGCAGCCGCGTCCCCTCCCTCGCTCGCCGCTGCTCCTCCTCGGCCCTCCGCCTCTCCCC  
 TCCTTCTCCTCCTCAGCCGCTCCTCTCGCCGCGCCGCCGCTCCACAGCCTGGGCTCGCCGCGATGCC  
 GGAGAAGCGGCCCTTCGAGCGGCTGCCCGGAGGTGTCGCCATCAACTACAGCCTCTGCCTCAAGCCC  
 GATTTGCTGGACTTACCTTCGAGGGCAAGCTGGAGGCCGCCAGGTAAAGCAGGCAACCAATCAAA  
 TTGTGATGAATTGTGCTGATATTGACATTATTACAGCTTCATATGCCCCAGAAGGAGATGAAGAAATCCA  
 TGCGACAGGATTTAACTATCAGAATGAAGATGAGAAAGTACCTTGTCTTTTCTAGCACTCTGCAAACA  
 GGTACAGGAACCTTAAAGATAGATTTTGTGGAGAGCTGAATGACAAAATGAAAGTTTCTATAGAAGCA  
 GATACACCACCCCTGCCGGCAGGTGCGCTATGCTGCTGTACACAGTTTGGGCTACTGATGCCGAAG  
 GGCTTTTCTTGTGGGATGAGCCTGCTATCAAAGCAACTTTTGATATCTCGCTGTTGTGCCTAAAGAC  
 AGAGTGGCTTTATCAAATATGAATGTAATTGACAGGAAACCATATCCTGATGATGAAAATTTAGTGGAAAG  
 TGAAGTTTGTCTGCACACCTGTTATGTCTACGTATCTGGTGGCATTGTTGTGGGTGAATATGACTTTGT  
 AGAAAAGAGTCAAAGATGGTGTGTGTGTCGGTTTACACCCCTGTTGGCAAAGCAGAGCAAGGAAAAG  
 TTTGCGCTCGAGGTTGCTGCTAAGACCTTGCCTTTTTATAAAGACTACTTCAATGTTCTTATCCTCTAC  
 CTAATAATGATCTCATTGCTATTGCTGACTTTGCAGCTGGTGGCCATGGAGAACTGGGGCCTTGTTACTTA  
 TAGGGAACCGCCTTGTATTGATCCAAAAACTCGTGTCTTCATCACGCCAGTGGGTTGCTCTGGTT  
 GTGGGACATGAACTCGCCATCAATGGTTTGGAAATCTTGTACTATGGAATGGTGGACTCATCTGTT  
 TGAATGAAGGCTTTGCATCCTGGATTGAGTATCTTTGTGTAGACCAGTCTTTCCAGATGATATCTG  
 GACTCAGTTTGTCTGCAGATTATACCCGTGCCAGGAACTGATGCCTTAGATAACAGCCATCCTATT  
 GAAGTCAGTGTGGCCATCCGTCTGAGGTTGATGAGATATTTGATGCTATATCATATAGCAAAGGTGCAT  
 CTGTAATCCGAATGCTACATGACTACATTGGTGATAAGGACTTTAAGAAAGGAATGAATATGATTTAAC  
 CAAGTTCCAACAAAAGAATGCTGCCACAGAGGATCTCTGGGAAAGTTTGGAAAGTCCAGTGGCAAACCC  
 ATAGCAGCTGTGATGAATACCTGGACCAAAACAAATGGGATTCCCTCTCATTTATGTGGAAGCTGAACAGG  
 TAGAAGATGACAGAGTGTGAAGCTGTCTCAGAAGAAGTTTGTGCCAGTGGACCATATGGCGGTGAAGA  
 CTGTCTCAGTGGATGGTTCTATCACAATTTCAACTAGTGGGATCCTAACAGGCTAAGCTGAAAATA  
 CTAATGGATAAGCCAGAGATGAGTGTGGTTTTGAAAAATGTCAAACCAGACCAATGGGTAAGCTAAATC  
 TGGGAACAGTTGGGTTTTATCGAACCCAGTACAGCTCTGCCATGCTCGAAAGTTTATTACCAGGCATCCG  
 TGACCTTTCTCTGCCCCAGTGGATCGACTTGGATTACAGAATGACCTCTTTTCTCTGGCTCGAGCTGGC  
 ATCATTAGCACTGTAGAGGTTCTAAAAGTCATGGAGGCTTTTGTGAATGAGCCCAATTATACTGTATGGA  
 GCGACCTGAGCTGTAACCTGGGATTCTTTCAACTCTCTTGTCCACACAGACTTCTATGAGGAAATCCA  
 GGAGTTTGTCAAAGATGTCTTTTACCTATAGGAGAGAGATTGGGCTGGGACCCAAACCTGGAGAAGGT  
 CATCTAGACGCACTCCTGAGGGGCTTGGTGTGGGCAACTGGGAAAAGCAGGCCATAAGGCAACTTTGG  
 AAGAAGCCCGTCGTCGGTTTAAAGGACACGTGGAAGGGAACAGATTCTTTCTGCTGACCTAAGGAGTCC  
 TGTCTATCTCACTGTTTTAAAGCATGGGATGGCGCTACCTTAGATATCATGCTGAAGTTCACAAACAA  
 GCTGATATGCAAGAAGAGAAAAACAGAATTGAAAGAGTTCTTGGGCTACTCTTTACCTGAACGATTTC  
 AAAAAGTCCTTACTTTTGCACTTTCAGAAGAGGTCGGTCCGCAGGACACTGTGTGGTATTGGTGGAGT  
 GGCTGGAGGCAGCAAGCATGGGAGGAAAGCTGCTTGGAAATTCATCAAGGACAACCTGGGAGGAGCTTAC  
 AACCGGTACCAGGGAGGTTCTTAATAATCCAGACTAATAAAGCTCTCAGTTGAGGGGTTTGCAGTTGATA  
 AAATGGCTGGAGAAGTTAAGGCTTTCTTCGAGAGTCAACCAGCTCCTCAGCTGAGCGCACCATCCAGCA  
 GTGTTGTGAAAAATCCTGTTGAATGCTGCTTGGCTCAAGCGAGATGCTGACAGCATTACCAGTACCTC  
 CTCAGCGGAAAACCTCCCCACCCTCGGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

ACCN:	NM_008942
Insert Size:	2763 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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"><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>
RefSeq:	<a href="#">NM_008942.2</a> , <a href="#">NP_032968.2</a>
RefSeq Size:	4161 bp
RefSeq ORF:	2763 bp
Locus ID:	19155
UniProt ID:	<a href="#">Q11011</a>
Cytogenetics:	11 60.95 cM
Gene Summary:	Aminopeptidase with broad substrate specificity for several peptides. Involved in proteolytic events essential for cell growth and viability. May act as regulator of neuropeptide activity. Plays a role in the antigen-processing pathway for MHC class I molecules. Involved in the N-terminal trimming of cytotoxic T-cell epitope precursors. Digests the poly-Q peptides found in many cellular proteins.[UniProtKB/Swiss-Prot Function]