

## Product datasheet for **MC222344**

### Enpp3 (NM\_134005) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Enpp3 (NM_134005) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Enpp3
Synonyms:	A1876438; CD203c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222344 representing NM\_134005  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATTCCAGGCTAGCATTAGCCACAGAGGAGCCATTAAGAAAGACAGTCTCAAGAAATACAAGATCC  
 TTTGTGTGGTTCTTCTTGCTTTGTTGGTATTGTATCGCTTGGATTGGGGCTGGGACTGGGACTCAGGAA  
 ACCTGAAGAACAAGGAGCTGCAGGAAAAAATGCTTTGACTCATCGCACAGAGGACTGGAGGGCTGCCGC  
 TGTGACTCGGGATGCACAGGACGAGGAGACTGCTGCTGGGACTTTGAAGATACCTGTGTAAATCAACTC  
 AAATATGGACGTGCAATTTATCCGTTGTGGGAGAACAGACTGGAGACAGCCCTCTGTTCTGTGCGGA  
 TGACTGTCTACAGAGGAAGGACTGCTGTGCTGACTACAAGACTGTGTGCCAAGGGCAAAGCCATGGGTG  
 ACAGAAGCCTGTGCCTCATCCAGGAGCCCAAGTCCACCAGGGTTTGACTGCCACCAGTTATCTTGT  
 TCTCCATGGACGGTTTTAGAGCTGAGTATTTACAAACATGGAGTACCCTTTTGCCTAATATCAACAACT  
 GAAAACATGTGGAATCCATTCTAAATATATGAGAGCTATGTATCCCAAAAACCTTCCCAAATCATTAT  
 ACCATTGTCACGGTTTTGTATCCGGAGTACACGGCATATTGACAACAACATGTATGACGTGCACCTCA  
 ACAAGAATTTTTCCCTTTCTTCACTGGAGAAAAGCAATCCCGCCTGGTGGAGCGGGCAGCCGATTTGGCT  
 AACGGCAATGTATCAAGTTTAAAAGCTGCTTGTACTACTGGCCGGGATCAGATGTGGCTGTCAATGGC  
 TCCTTCCCTACCATCTACAGGAATTACAGCAATTTGTGCCATATGAAAGGAGGATTACAACACTGTTAC  
 AATGGCTGGACCTGCCAAAGCTGACCGACCCAGTTTTTATACCATCTATGTGGAAGAGCCTGATTCTGC  
 AGGGCATTTCAGTGGACCACTGCTGCTGGAGTAATAAGCCTTGCAGTCAGTTGACAATGCCTTTGGA  
 ATGTTGATGGAGGCTGAAACAGAGGAATTTACACAACACTGTGCAATATAATCGTTCTGGCTGATCATG  
 GAATGGACCACTCCTGTGATAGAGTGAATACATGACAGATTATTTTCTAAAAATAACTTCTATAT  
 GTATCAAGGACCTGCTCCTCGAATCAGGACTCGTAATATACCTCAGGACTTCTTTACATTTAATTCGAA  
 GAGATTGTCAGGAACCTCAGTTGTCGAAAACCTGACCAACACTTTAAACCCTACTTGACCCTGATTTGC  
 CGAAACGACTGCACTACGCCAAAAATGTCAGAATTGACAAAGCTCATCTCATGGTGGATCGGCAATGGCT  
 GGCTTTCAGGAGCAAAGGGAGTTCCAATTGTGGTGGAGGAACACATGGCTACAACAATGAGTTCAAGAGC  
 ATGGAGGCAATCTTTTGGCACATGGACCCAGCTTTATAGAGAAGACTGTTATTGAACCATTTGAAAATA  
 TTGAAGTCTAATCTACTGTGTGATCTTCTGCACATTGAACCAGCACCAAAACAACGGTACTCATGGCAG  
 TCTGAATCATCTTCTGAAGACACCGTTTTACAAGCCATCATGCAGGAGAGTTGTCAACGCTGCTGAC  
 TGTGGTTTTACTACTCCCTGCCTACAGACCCACTAGACTGCTCATGCCCTGCACACAGAATACGCTG  
 GTCTAGAAGAGCAAGCAAACCAAAGGCTAAATCTTAGCGAAGGGCAGGTTGCAGCAACGGTGAAAGCAA  
 TTTGCCATTTGGGAGGCCAGGGTGATGCAAGAAGCGGAGACCACTGTCTCCTTTACCACAGGGACTAC  
 ATCAGTGGGTACGGCAAAGCTATGAAGATGCCCATGTGGAGTTTACACCCGTTCTCAAGCCGGGAGACA  
 CATCATCTCTTCTCCACAGTTCAGACTGTCTGCGGGCTGATGTGAGGGTTGCTCCTTCTGAGAGCCA  
 AAAATGTTCTTCTATTTAGCAGACAAGAATATCACCCATGGCTTCTCTATCTGCAATCAAAGGAACT  
 AATGAGAGTCGATATGATGCCTAATTACAAGTAATTTGGTCCCAATGTATAAAGAATTCAAAAAATGT  
 GGGACTACTTCCATGAGGTTCTTCTTATAAAAATGCTATAGAAAGAAAATGGACTGAATGTGGTTAGTGG  
 ACCCATCTTTGATTATAATTATGATGGCCATTTGATGCTCCGGATGAAATCACACAATATGTAGCTGGC  
 ACTGATGTCCCTATCCCAACACACTACTTTGTGGTGTGACAAGTTGTAAGACCAAAACCACACACCCG  
 ACAGCTGCCCTGGTGGCTGGATGTCCTGCCCTCATCGTCCCTACCGGCCACCAACATAGAAAGCTG  
 TTCTGAAAACAAGACCGAGGACCTTTGGGTTGAAGAGAGGTTCCAAGCACACGCCCGGGTCCGAGAT  
 GTGGAGCTCCTCACTGGCCTTGACTTTTATCAGGAGAAAGCACAGCCGCTCTCTCAGATTTTGCAACTAA  
 AGACGTATCTGCCACGTTTGAACCATTATT**TGA**

**ACGGT**ACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_134005  
**Insert Size:** 2625 bp

<b>OTI Disclaimer:</b>	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).
<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_134005.2</a> , <a href="#">NP_598766.2</a>
<b>RefSeq Size:</b>	2815 bp
<b>RefSeq ORF:</b>	2625 bp
<b>Locus ID:</b>	209558
<b>UniProt ID:</b>	<a href="#">Q6DYE8</a>
<b>Cytogenetics:</b>	10 A4
<b>Gene Summary:</b>	Hydrolase that metabolizes extracellular nucleotides, including ATP, GTP, UTP and CTP (By similarity). Limits mast cell and basophil responses during inflammation and during the chronic phases of allergic responses by eliminating the extracellular ATP that functions as signaling molecule and activates basophils and mast cells and induces the release of inflammatory cytokines (PubMed:25692702). Metabolizes extracellular ATP in the lumen of the small intestine, and thereby prevents ATP-induced apoptosis of intestinal plasmacytoid dendritic cells (PubMed:28225814). Has also alkaline phosphodiesterase activity (By similarity).[UniProtKB/Swiss-Prot Function]