

## Product datasheet for **RC238455**

### ENPP5 (NM\_001290072) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ENPP5 (NM_001290072) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ENPP5
Synonyms:	NPP-5; NPP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC238455 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACTTCGAAATTTCTCTTGGTGTCTTCATACTTGCTGCACTGAGTCTTTCAACCACCTTTCTCTCC  
 AACGAGACCAGCAAAAGTTCTACTAGTTTCTTTTGGATGATTCCGTTGGGATTACTTATATAAAGTTCC  
 AACGCCCATTTTCATTATATTATGAAATATGGTGTTCACGTGAAGCAAGTTACTAATGTTTTTATTACA  
 AAAACCTACCCTAACCTTATACTTTGGTAACTGGCCTCTTTCAGAGAAATCATGGGATTGTTGCAATG  
 ATATGTTTGTCTTATTCGGAACAAATCTTTCTCTTGGATCACATGAATATTTATGATTCCAAGTTTTG  
 GGAAGAAGCGACACCAATATGGATCACAAACCAGAGGGCAGGACATACTAGTGGTGCAGCCATGTGGCCC  
 GGAACAGATGTAAAATACATAAGCGCTTTCCTACTCATTACATGCCTTACAATGAGTCAGTTTCATTTG  
 AAGATAGAGTTGCCAAAATTATTGAATGGTTTACGTCAAAGAGCCATAAATCTTGGTCTTCTCTATTG  
 GGAAGACCCTGATGACATGGGCCACCATTTGGGACCTGACAGTCCGCTCATGGGGCTGTCATTTAGAT  
 ATTGACAAGAAGTTAGGATATCTCATACAAATGCTGAAAAAGGCAAAGTTGTGGAACACTCTGAACCTAA  
 TCATCACAAAGTATCATGGAATGACGCAGTGTCTGAGGAAAGGTTAATAGAAGTTGACCACTGACCTGGA  
 TAAAGACCACTATACCCTGATTGATCAATCTCCAGTAGCAGCCATCTTGCCAAAAGAAGGTAATTTGAT  
 GAAGTCTATGAAGCACTAACTCACGCTCATCTAATCTTACTGTTTACAAAAAGAAGACGTTCCAGAAA  
 GGTGGCATTACAAATACAACAGTCGAATTAACCAATCATAGCAGTGGCTGATGAAGGGTGGCACATTTT  
 ACAGAATAAGTCAGATGACTTTCTGTTAGGCAACCACGGTTACGATAATGCGTTAGCAGATATGCATCCA  
 ATATTTTTCAGCCATGGTCTGCCTTCAGAAAGAATTTCTCAAAGAAGCCATGAATCCACAGATTTGT  
 ACCCACTACTATGCCACCTCCTCAATATCACGCCATGCCACACAATGGATCATTCTGGAATGTCAGTTG  
 TCTGCTCAATTCAGCAATGCCAAGGGTGGTCCCTTATACACAGAGTACTATACTCCTCCCTGGTAGTGT  
 AAACCAGCAGAATATGACCAAGAGGGGTATACCTTATTTTATAGGGTCTCTCTTGGCAGCATTATAG  
 TGATTGATTTTTTGTAAATTTTCATTAAGCATTAAATTCACAGTCAAATACCTGCCTTACAAGATATGCA  
 TGCTGAAATAGCTCAACCATTATTACAAGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238455 protein sequence  
 Red=Cloning site Green=Tags(s)

MTSKFLLVSFILAAALSLSTTFSLQPDQKQVLLVSFDGFRWDYLYKVPTPHFHYIMKYGVHVQVTVNFVIT  
 KTYPNHYTLVTGLFAENHGIVANDMFDPIRNKSFSLDHMNIYDSKFWEETPIWITNQRAGHTSGAAMWP  
 GTDVKIHKRFPPTHYPYNEVSFEDRVAKIIEWFTSKEPINLGLLYWEDPDDMGHHLGPDSPMLMGPVISED  
 IDKKLGYLIQMLKKAKLWNTLNLIIITSDHGMTQCSEERLIELDQYLDKDHYTELIDQSPVAAILPKEGKFD  
 EYVEALTHAHPNLTVYKKEDVPERWHYKYSRIQPIIAVADEGWHLQNKSDDFLLGNHGYDNALADMHP  
 IFLAHGPAFRKNFSKEAMNSTDLYPLLCHLLNITAMPHNGSFWNVQDLLNSAMPRVVPYQTSTILLPGSV  
 KPAEYDQEGSYPIYIGVSLGSIIVIVFFVIFIKHLIHSQIPALQDMHAEIAQPLLQA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6138\\_c06.zip](https://cdn.origene.com/chromatograms/mk6138_c06.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001290072

**ORF Size:** 1431 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\\_001290072.2](#)
**RefSeq Size:** 3888 bp

**RefSeq ORF:** 1434 bp

**Locus ID:** 59084

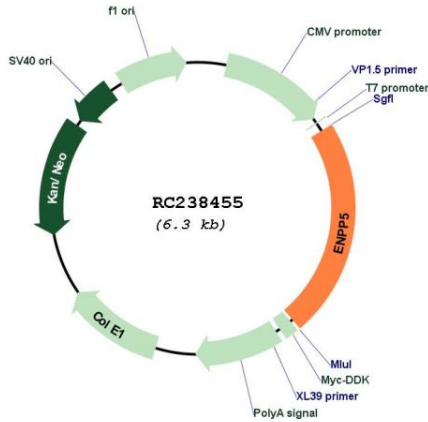
**UniProt ID:** [Q9UJA9](#)
**Cytogenetics:** 6p21.1

**Protein Families:** Secreted Protein, Transmembrane

**MW:** 54.7 kDa

**Gene Summary:** This gene encodes a type-I transmembrane glycoprotein. Studies in rat suggest the encoded protein may play a role in neuronal cell communications. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2014]

**Product images:**



Circular map for RC238455