

Product datasheet for SC119332

ENTPD5 (NM_001249) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ENTPD5 (NM_001249) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENTPD5
Synonyms:	CD39L4; NTPDase-5; PCPH
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119332 sequence for NM_001249 edited (data generated by NextGen Sequencing)

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ATGGCCACTTCTGGGGCACAGTCTTTTTCATGCTGGTGGTATCCTGTGTTGCAGCGCT
GTCTCCACAGGAACCAGCAGACTTGGTTTGAGGGTATCTTCTGTCTCCATGTGCCCC
ATCAATGTCAGCGCCAGCACCTTGTATGGAATTATGTTTGATGCAGGGAGCACTGGAAC
CGAATTCATGTTTACACCTTTGTGCAGAAAATGCCAGGACAGCTTCCAATTCTAGAAGGG
GAAGTTTTTATTCTGTGAAGCCAGGACTTTCTGCTTTTGTAGATCAACCTAAGCAGGGT
GCTGAGACCGTTCAAGGGCTCTTAGAGGTGGCCAAAGACTCAATCCCCGAAGTCACTGG
AAAAAGACCCAGTGGTCTAAAGGCAACAGCAGGACTACGCTTACTGCCAGAACACAAA
GCCAAGGCTCTGCTCTTTGAGGTAAAGGAGATCTTCAGGAAGTCACCTTTCTGTACCA
AAGGGCAGTGTTAGCATCATGGATGGATCCGACGAAGGCATATTAGCTTGGGTTACTGTG
AATTTTCTGACAGGTGAGCTGCATGGCCACAGACAGGAGACTGTGGGGACCTTGGACCTA
GGGGGAGCTCCACCAAATCACGTTTCTGCCCCAGTTTGAGAAAACCTTGAACAAACT
CCTAGGGGCTACCTCACTTCTTTGAGATGTTTAAACAGCACTTATAAGCTCTATACACAT
AGTTACCTGGGATTTGGATTGAAAGCTGCAAGACTAGCAACCCTGGGAGCCCTGGAGACA
GAAGGGACTGATGGGCACACTTCCGGAGTGCCTGTTTACCGAGATGGTTGGAAGCAGAG
TGGATCTTTGGGGGTGTGAAATACCAGTATGGTGGCAACCAAGAAGGGGAGGTGGGCTTT
GAGCCCTGCTATGCCGAAGTGTGAGGGTGGTACGAGGAAAACCTCACCGCCAGAGGAG
GTCCAGAGAGGTTCCCTTCTATGCTTTCTTACTATTATGACCGAGCTGTTGACACAGAC
ATGATTGATTATGAAAAGGGGGTATTTTAAAAGTTGAAGATTTTGAAGAAAAGCCAGG
GAAGTGTGTGATAACTTGAAAAACTTCACCTCAGGCAGTCTTTTCTGTGCATGGATCTC
AGCTACATCACAGCCCTGTTAAAGGATGGCTTTGGCTTTGCAGACAGCACAGTCTTACAG
CTCACAAGAAAGTGAACAACATAGAGACGGGCTGGGCCTTGGGGGCCACCTTTACCTG
TTGCAGTCTCTGGGCATCTCCATTGA

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Clone variation with respect to NM_001249.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001249 unedited
 TGTCGNTTTTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGTGCAGGTGTG
 CGAGCAGGATTGCTTCTGCAACAAAAGCCTCCACCCAGCCACATCTTGGGAAAAGAATGG
 CCATCTTTGGGGCACAGTCTTTTTATGCTGGTGGTATCCTGTGTTTGCAGCGCTGTCT
 CCCACAGGAACAGCAGACTTGGTTTGGAGGTATCTTCTGTCTTCCATGTGCCCCATCA
 ATGTCAGCGCCAGCACCTTGTATGGAATTATGTTTGTATGCAGGGAGCACTGGAACCTCGAA
 TTCATGTTTACACCTTTTGTGACAGAAAATGCCAGGACAGCTTCCAATTCTAGAAGGGGAAG
 TTTTTGATTCTGTGAAGCCAGGACTTTCTGCTTTTGTAGATCAACCTAAGCAGGGTGCTG
 AGACCGTTCAAGGGCTCTTAGAGGTGGCCAAAGACTCAATCCCCCGAAGTCACTGGAAAA
 AGACCCAGTGGTCTAAAGGCAACAGCAGGACTACGCTTACTGCCAGAACACAAAGCCA
 AGGCTCTGCTCTTTGAGGTAAAGGAGATCTTCAGGAAGTACCTTTCTGGTACCAAAGG
 GCAGTGTAGCATCATGGATGGATCCGACGAAGGCATATTAGCTTGGGTTACTGTGAATT
 TTCTGACAGGTGAGTGCATGGCCACAGACAGGAGACTGTGGGGACCTTGGACCTANGGG
 GAGCCTCCACCCANATCACGTTCTGCCACAGTTTGGAAAACTCTGGAACAAACTNCTA
 GGGGCTACCTCACTTTCTTTGAGATGTTTACAGCACTTATAAGCTCTATACACATAGTTA
 CCTGGGATTTGGNATTGAAGCTNGCAGACTAGCAACCCTGGGAGCCCTGNAGACAGAAAG
 GACTGATGGGCCACTTTTCGNAGTGCTGTTACCGAGATGGTGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001249 unedited
 ACTGTAAGAGACTTTTTTACTAAAAACCCACAGGTGCTGTCTCACTCATTTCAGTTAA
 TCAATTTCTAAAGAGAAAAATTTACATTTTGTGTTTTGTTTTAATGTTGGTCATAAATTTATA
 CAGTTGTTTTTGTAGAGGTAAGAATTAGACTCGATGCATTTTTGTTAGAATTGCTGTT
 TAAATGTTAACATCAGAATGCAAATTAATATAAATTGCTTTAACCTTTGTACAGGTAT
 ACTGGACTTTCTGAAAGGAAAACAGGTCTCATTAAATGCTAGTTATTACTTTATCACAGC
 ACCAGATTTCCATTTTATTTATGTTTCTCTCTGGGACCCACTGTGCGTTTAAATAAAAC
 AATAAATAATTCATTGCACAGATCCGAAGACCTCAGGAACCAGATCACAAGGGAAACCGA
 TTAGCAGCAGAATTTGTTTATGTTTGGTGGCAGACTGGTGGCCAACCTGGAGGGAGGGGAG
 TTTTACTGTGGGTTTTTGAAGAGGTCTCGTCACAAGACCAGAGATGCCTCTTGAAGAGAT
 TTTTAGGTTGTAGGTTTGCTTACTCTAAAGAACATCTTGCCAGAAAGTCTGATTTGAGAT
 GAAATGAAGAGAAACAGTCTGCTTTTGAACCAAGTAAGGTATTCTTGGGAATAATTTTTTA
 GAGCCATGAGAAATCTATTCTTACAGGGGTGCTTTTTCAGGCAAAATGCCAAAAATTTAAAG
 AGTCTAGAACAAAAAGTACAATGTCACACCCTTGTGGGATCTAGGAAAAAGAATAAAG
 ATGGGCACTGCTGGGAAAAACTTTGTGACTTCTGGCGGAGACTGCAGGGACAAGGTCATC
 TTTACAAAAATGGGAAGGTGGGCTTATGAGGAGGCCCCACCTTTCCAAAATTATGCA
 AAAAAATCAGCGCAGATAAAAAATTTAAAGCCCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_001249

Insert Size:

5410 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">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_001249.1, NP_001240.1</u>
RefSeq Size:	1998 bp
RefSeq ORF:	1287 bp
Locus ID:	957
UniProt ID:	<u>O75356</u>
Cytogenetics:	14q24.3
Domains:	GDA1_CD39
Protein Families:	Transmembrane
Protein Pathways:	Purine metabolism, Pyrimidine metabolism
Gene Summary:	The protein encoded by this gene is similar to E-type nucleotidases (NTPases)/ecto-ATPase/apyrases. NTPases, such as CD39, mediate catabolism of extracellular nucleotides. ENTPD5 contains 4 apyrase-conserved regions which is characteristic of NTPases. [provided by RefSeq, Jan 2009]