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Product datasheet for SC119329

ENTPD3 (NM_001248) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ENTPD3 (NM_001248) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENTPD3
Synonyms:	CD39L3; HB6; NTPDase-3
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene ORF within SC119329 sequence for NM_001248 edited (data generated by NextGen Sequencing)

ATGTTCACTGTGCTGACCCGCCAACCATGTGAGCAAGCAGGCCTCAAGGCCCTCTACCGA
ACTCCAACCATCATTGCCTTGGTGGTCTTGCTTGTGAGTATTGTGGTACTTGTGAGTATC
ACTGTCATCCAGATCCACAAGCAAGAGGTCCTCCCTCCAGGACTGAAGTATGGTATTGTG
CTGGATGCCGGGTCTTCAAGAACCACAGTCTACGTGTATCAATGGCCAGCAGAAAAAGAG
AATAATACCGGAGTGGTCAGTCAAACCTTCAAATGTAGTGTGAAAGGCTCTGGAATCTCC
AGCTATGGAAATAACCCCCAAGATGTCCCCAGAGCCTTTGAGGAGTGTATGCAAAAAGTC
AAGGGGCAGGTTCCATCCCACCTCCACGGATCCACCCCCATTCACCTGGGAGCCACGGCT
GGGATGCGCTTGCTGAGGTTGCAAAATGAAACAGCAGCTAATGAAGTCCTTGAAAGCATC
CAAAGCTACTTCAAGTCCCAGCCCTTTGACTTTAGGGGTGCTCAAATCATTTCTGGGCAA
GAAGAAGGGGTATATGGATGGATTACAGCCAACTATTTAATGGGAAATTTCCTGGAGAAG
AACCTGTGGCACATGTGGGTGCACCCGCATGGAGTGGAAACCACGGGTGCCCTGGACTTA
GGTGGTGCCTCCACCCAAATATCCTTCGTGGCAGGAGAGAAGATGGATCTGAACACCAGC
GACATCATGCAGGTGTCCCTGTATGGCTACGTATACACGCTCTACACACACAGCTTCCAG
TGCTATGGCCGGAATGAGGCTGAGAAGAAGTTTCTGGCAATGCTCCTGCAGAATTCTCCT
ACCAAAAACCATCTCACCAATCCCTGTTACCCTCGGGATTATAGCATCAGCTTCACCATG
GGCCATGTATTTGATAGCCTGTGCACTGTGGACCAGAGGCCAGAAAGTTATAACCCCAAT
GATGTCATCACTTTTGAAGGAACTGGGGACCCATCTCTGTGTAAGGAGAAGGTGGCTTCC
ATATTTGACTTCAAAGCTTGCCATGATCAAGAAACCTGTTCTTTTGATGGGGTTTATCAG
CCAAAGATTAAAGGGCCATTTGTGGCTTTTGCAGGATTCTACTACACAGCCAGTGCTTTA
AATCTTTCAGGTAGCTTTTCCCTGGACACCTTCAACTCCAGCACCTGGAATTTCTGCTCA
CAGAATTGGAGTCAGCTCCCACTGCTGCTCCCCAAATTTGATGAGGTATATGCCCGCTCT
TACTGCTTCTCAGCCAACTACATCTACCACTTGTTTGTGAACGGTTACAAATTCACAGAG
GAGACTTGGCCCCAAATACACTTTGAAAAAGAAGTGGGGAATAGCAGCATAGCCTGGTCT
CTTGGCTACATGCTCAGCCTGACCAACCAGATCCCAGCTGAAAGCCCTCTGATCCGTCTG
CCCATAGAACCACCTGTCTTTGTGGGCACCCTCGCTTTCTTCACAGCGGCAGCCTTGCTG
TGTCTGGCATTTCTTGCATACCTGTGTTCAGCAACCAGAAGAAAGAGGCACTCCGAGCAT
GCCTTTGACCATGCAGTGGATTCTGACTGA

Clone variation with respect to NM_001248.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001248 unedited
CAGAATTTTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCCGGGGCG
GTGGACTTACTGACATCCTGTATTCTCTCACCTGCAGCTAGNGAGAAAAGATGTTCACTG
TGCTGACCCGCCAACCATGTGAGCAAGCAGGCCTCAAGGCCCTCTACCGAACTCCAACCA
TCATTGCCTTGGTGGTCTTGCTTGTGAGTATTGTGGTACTTGTGAGTATCACTGTCATCC
AGATCCACAAGCAAGAGGTCCTCCCTCCAGGACTGAAGTATGGTATTGTGCTGGATGCCG
GGTCTTCAAGAACCACAGTCTACGTGTATCAATGGCCAGCAGAAAAAGAGAATAATACCG
GAGTGGTCAGTCAAACCTTCAAATGTAGTGTGAAAGGCTCTGGAATCTCCAGCTATGGAA
ATAACCCCCAAGATGTCCCCAGAGCCTTTGAGGAGTGTATGCAAAAAGTCAAGGGGCAGG
TTCCATCCCACCTCCACGGATCCACCCCCATTCACCTGGGAGCCACGGCTGGGATGCGCT
TGCTGAGGTTGCAAAATGAAACAGCAGCTAATGAAGTCCTTGAAAGCATCCAAAGCTACT
TCAAGTCCCAGCCCTTTGACTTTAGGGGTGCTCAAATCATTTCTGGGCAAGAAGAAGGGG
TATATGGATGGATTACAGCCAACTATTTAATGGGAAATTTCCTGGAGAAGAACCTGTGGC
ACATNGTGGGTGCACCCGCATGGAGTGGAAACCACGGGTGCCCTGGACTTANGTGGTGCC
TCCACCCAAATATCCTTCGTGGCAGGAGAGAAAATGGATCTGAACCCAGCGACATCATGC
AGTGTCCCTGATGGCTACGTTACACGCTCTAACACACAGCTTCGTGCTATGGCGAATGAG
CTGAAANAAGNTNCTGCATGCTCTGCAGAATCTCTACANAACATCTACAATTCTGTACCA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001248 unedited
GCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTCAAAATAAAATAATAGTTCC
TTTATTCCATATTCAGCTAAGAAACAGCAATATGAAATAATGCTGATTTTTAGTTTGTAG
CCATTGGATTTGCTGGAGTTCTTTCTCATTCGACTTTGGAGATAAATATTCCTGCAGCTT
CCTTTTCTTTCCCCAAAGTCAAGACCTATGACTACTATGCAGAGAGGTCTATGATCTGGG
AAAGTAATTGGTTAGTAAATCATAGAGTAGGATGTTCGTTCTATGACAACATCAAGTATA
CTTGTGGGAATGGTGACAAAAATATATACACCATGATAACAATGGAAAGTCAGCCCTTTG
CTAAGCAAAAGCCTAGCAAAGGCAGTAAAATCTGGAATGCAATAATCTTGCTAGGGATCA
ATGTGTTTTTATGGGAGGGCATAGCAATACAATGGTGAGATGAGGATGATGACAAACACA
CAGGTTGCAATCTAGTGACCAGAGCCCTAAGTGGGAATTCCACTTGGAGAATGGTCTATA
GTTTTCTGGGAGACCTTTTTTATGTCTCTGTGCTTCGGGATCTACCTGTATGACAGAAGC
CTGGCTGTGGCTGCTGCCCTGAAGGAAAGTAGTCTTCTCCCCCAGATACTATATTCTACT
GATCTGAGGGGGGTCACTGCTTACGAGATTGCTACAAGAAAGTCTTAGTTAAGGACCANT
GGGGAAAACTATAAAATGAGATTCTGATTGGCGAAATGCTAAATGGGTATCCTGCCCAGA
AGATACTGAGGGNAGGGAATGGNAACTGACCCCTGAAGTCCATTCTTTCACATTTACCTG
AACCCTCTCCACTTACTCTTCCTCTGGGGGAACTAATATAAGAGCCTGACCTTNGGGGCC
TGTCTTTTTTTTGTTCCCCATAGATCAGCAGG

Restriction Sites: NotI-NotI

ACCN: NM_001248

Insert Size: 2920 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:
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_001248.1, NP_001239.1

RefSeq Size: 2797 bp

RefSeq ORF: 1590 bp

Locus ID: 956

UniProt ID: O75355

Cytogenetics: 3p22.1

Domains: GDA1_CD39

Protein Families: Transmembrane

Protein Pathways: Purine metabolism, Pyrimidine metabolism

Gene Summary: This gene encodes a plasma membrane-bound divalent cation-dependent E-type nucleotidase. The encoded protein is involved in the regulation of extracellular levels of ATP by hydrolysis of it and other nucleotides. Multiple transcript variants have been described. [provided by RefSeq, May 2014]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.