

Product datasheet for **SC318897**

ENTPD6 (NM_001114089) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ENTPD6 (NM_001114089) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENTPD6
Synonyms:	CD39L2; dj738P15.3; IL-6SAG; IL6ST2; NTPDase-6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC318897 representing NM_001114089.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGCCGACGACGGTCCTTGGCAAACAAGGATGAGAAAAATATCCAACCACGGGAGCCTGCGGGTG
GCGAAGGTGGCATACCCCTGGGGCTGTGTGGGCGTTCATCTATGTTGCCTACATCAAGTGGCAC
CGGGCCACCGCCACCCAGGCCTTCTTACGATCACCAGGGCAGCCCCGGGGGCCCGTGGGGTCAGCAG
GCCACAGCCCCCTGGGACAGCTGCAGACGGGCACGAGGTCTTCTACGGGATCATGTTTATGCAGGA
AGCACTGGCACCCGAGTACACGTCTTCCAGTTCACCCGGCCCCCAGAGAACTCCACGTTAACCAC
GAAACCTCAAAGCACTGAAGCCAGGTCTTCTGCCTATGCTGATGATGTTGAAAAGAGCGCTCAGGGA
ATCCGGGAACTACTGGATGTTGCTAAACAGGACATTCGTTTCGACTTCTGGAAGGCCACCCCTCTGGTC
CTCAAGGCCACAGCTGGCTTACGCTGTTACCTGGAGAAAAGGCCAGAAGTTACTGCAGAAGGTGAAA
GAAGTATTTAAAGCATCGCCTTCTTGTAGGGGATGACTGTGTTCCATCATGAACGGAACAGATGAA
GGCGTTTCGGCGTGGATCACCATCAACTCCTGACAGGCAGCTTGAAGTCCAGGAGGGAGCAGCGTG
GGCATGCTGGACTTGGGCGGAGGATCCACTCAGATCGCCTTCTGCCACGCGTGGAGGGCACCCCTGCAG
GCCTCCCCACCCGGCTACCTGACGGCACTGCGGATGTTTAAACAGGACCTACAAGCTTATTCCTACAGC
TACCTCGGGCTCGGGCTGATGTCGGCACGCTGGCGATCCTGGCGGCGTGGAGGGGAGCCTGCTAAG
GATGGAAGGAGTTGGTCAGCCCTTGTGCTCCAGTTTCAAAGGAGAGTGGGAACACGCAGAAGTC
ACGTACAGGGTTTCAGGGCAGAAAGCAGCGGCAAGCCTGCACGAGCTGTGTGCTGCCAGAGTGCAGAG
GTCCTTCAAACAGAGTGCACAGGACGGAGGAAGTGAAGCATGTGGACTTCTATGCTTCTCCTACTAT
TACGACCTGCAGCTGGTGTGGCCCTCATAGATGCGGAGAAGGGAGGCAGCCTGGTGGTGGGGACTTC
GAGATCGCAGCCAAGTACGTGTGTCGGACCCTGGAGACAGCCCGCAGAGCAGCCCTTCTCATGCATG
GACCTCACCTACGTACGCTGCTACTCCAGGAGTTCGGCTTTCAGGAGCAAAGTCTGAAGCTCACT
CGGAAAATTGACAATGTTGAGACCAGCTGGGCTCTGGGGCCATTTTTATTACATCGACTCCCTGAAC
AGACAGAAGAGTCCAGCCTCATAG
AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
  
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Restriction Sites: SgfI-RsrII

Plasmid Map: □

ACCN: NM_001114089

Insert Size: 1404 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001114089.3](#)

RefSeq Size: 4092 bp

RefSeq ORF: 1404 bp

Locus ID: 955

UniProt ID: [O75354](#)

Cytogenetics: 20p11.21

Protein Families: Secreted Protein, Transmembrane

Protein Pathways: Purine metabolism, Pyrimidine metabolism

MW: 51.2 kDa

Gene Summary: ENTPD6 is similar to E-type nucleotidases (NTPases). NTPases, such as CD39, mediate catabolism of extracellular nucleotides. ENTPD6 contains 4 apyrase-conserved regions which are characteristic of NTPases. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]
Transcript Variant: This variant (2) lacks an internal exon in the 5' region, resulting in a distinct 5' UTR and the use of an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus, and is shorter than 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.