

Product datasheet for **SC323152**

ENTPD4 (NM_001128930) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | ENTPD4 (NM_001128930) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ENTPD4 |
| Synonyms: | LALP70; LAP70; LYSAL1; NTPDase-4; UDPase |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |

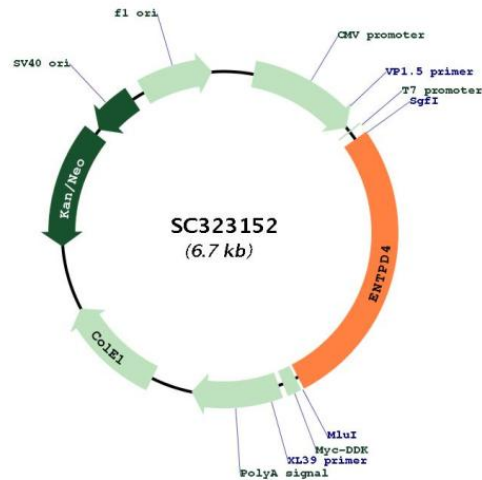


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Fully Sequenced ORF: >SC323152 representing NM_001128930.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGAGGATTGGCATCTCTGTCTTTTTCTGCTTCTTGGCATTTTAGCATATCTCCAGTAGGGTGT
CCTCGAATTCGAATACCAATTTACGCCAAATATGGTCATTAGTGCTCGGCTGCTGCTGTTTCACCT
TTATATTTTTCTGTTGTCAATCCGAAATAAGTATGGGCGACTAACAGAGACAAGAAATTTCAAAGG
TACCTGGCAGCAGTTACCGACATTGAAGCTACAGACACCAATAACCCCAATGTGAACTATGGGATCGTG
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GAGCATGTCCACGGGCAAAACACAAAGAGACACCTCTACATTCTCTGCACGGCTGGAATGAGAATC
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ATCCAGCAAAATGGACAAACCATATACCTACGAGGGACTGGAGACTTTGACCTGTGTCGAGAGACTATC
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GTCTACAACCACTACCTGTTCTCTGGCTGCTTCTGGTGGTGTGCTGGCCATCCTGCTGTACCTGCTG
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CTTCCCGCCAGAAATGCCCGGGGACCTTGTGA
ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001128930

Insert Size: 1827 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_001128930.2](#)

RefSeq Size: 5873 bp

RefSeq ORF: 1827 bp

Locus ID: 9583

UniProt ID: [Q9Y227](#)

Cytogenetics: 8p21.3

| | |
|--------------------------|--|
| Protein Families: | Transmembrane |
| Protein Pathways: | Lysosome, Purine metabolism, Pyrimidine metabolism |
| MW: | 69.4 kDa |
| Gene Summary: | <p>This gene encodes a member of the apyrase protein family. Apyrases are enzymes that catalyze the hydrolysis of nucleotide diphosphates and triphosphates in a calcium or magnesium-dependent manner. The encoded protein is an endo-apyrase and may play a role in salvaging nucleotides from lysosomes. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and these isoforms may differ in divalent cation dependence and substrate specificity. [provided by RefSeq, Sep 2011]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (b, also known as LALP70v) is shorter than isoform a. 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.</p> |