

## Product datasheet for **MG216675**

### Entpd7 (NM\_053103) Mouse Tagged ORF Clone

#### Product data:

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Entpd7
<b>Synonyms:</b>	1810012B13Rik; 1810020C02Rik; 2810003F23Rik; LALP1; Lysal2
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:** >MG216675 representing NM\_053103  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTAGGATCAGTTTTCTACCTGCCCCAGCCTCCTGGTACTTCACTGTGCCACAGTGAGCCCGT  
 TTCTCCGTCAGCGGGTGGCATTCTCTGGACTCTTCTTTATACCCTGTGTCTTTACTTCTTTAATCAT  
 GGATTTACGACACTGGGCCACTTCGTTACCACGGGACAGGCAGTATGAGAGGTATTTGGCTCGGGTAGGA  
 GACCTGGAAGCCACCAACCGGAAGACCCAAATCTGAATATGGACTCGTGGTGGACTGTGGTAGCAGCG  
 GCTCCCGGATTTTTGTTACTTCTGGCCAAGGCATAATGGGAACCCCATGACTTCTGGACATCAAACA  
 GATGAGAGACCGGAACAGCCAGCCCGTGGTTAAGAAAATAAAGCCAGGGATCTCCGCAATGGCAGACACT  
 CCGGAACATGCTAGCGATTACCTTCGACCTCTGCTGAGCTTCGCTGCTGCTCACGTGCCTGTGAAGAAGC  
 ACAGGGAGACGCCCTTACATCCTCTGCACAGCGGGCATGAGGCTGCTCCCTGAGAGGCAACAGTTGGC  
 TATCTTGGCAGATTTAGTGAAGATTTGCCGTTGGAGTTTGACTTCTCTTTTACAGTCTCAGGCCGAA  
 GTGATCTCTGGAAACAGGAAGGAGTTTATGCATGGATCGGAATCAACTTGTCTGGGAAGATTTGACC  
 ATGAAGATGAGTCAGACTCGGACACCTCTGTGGACTCAGCAGCAGGCCGAGGAGGACAGTGGGAATCCT  
 GGACATGGGAGGAGCCTCTCTCAAATTCCTACGAAGTTCCTACCTCAGCCTCCGACCTTCTCCCAAA  
 CAGGAAGAAGCTGCCAAGATCCTGCTGGCCGAGTTCAACCTGGCTGTGACGTGCAGCACACGGAGCAGC  
 TGTACAGGGTTTATGTCACCACCTTCTGGGCTTTGGGGCAACTTTCGCCGGCAGCGTATGAAGATCT  
 CGTGCTGAATGAAACGCTTAACAAAAACAGACTGCTGGGCCAGAAGACAGGCCTGAGTCTGACAATCCC  
 TTTCTGGACCCCTGCCTGCCTGTGGGACTCACAGATATGGTGAAGAGGAACAACAGGTCTTCACTTCC  
 GAGGAAAGGAGACTGGCCAGTTGTCGGACATTGCTGAGCCCCCTGCTGGCCGCTCCAACACCAGCCA  
 GGCCCTCACTGAACGGTATTTACCAGTCTCCAATCGACTTCAACAACAGCGAGTTTATGGCTTCTCAGAG  
 TTCTTCTACTGCACCGAAGATGTGCTGCGCATCGTGGCCACTACCACGGGCCACATTTGCCAAGGCTG  
 CTCAGGATTAAGTGGCATGGCGTGGCCGGTGTAGCCAGAGATTCAAGAACGGCCTCTTTTCTCACA  
 CGCAGACGAGCATCGACTCAAGTATCAGTGTTTAAGTCCGCTTGGATGTACGAAGTCTGCACGAGGGG  
 TTCCACTTCCCCTACGACTACCCAAACCTGCAGACAGCGCAGCTGGTGTATGACCAGAGGTGCACTGGA  
 CGCTGGGAGCAATTCTGTATAAAACCCGATTCTGCCTCTCAGGGACCTTCGGCAGGGACAGGGAGGAGT  
 CCGGCCAGCCACGGCAGCTGGCTCCGCTTCTCTTTGTCTACAACCACTATCTCTTTGCTTGTACC  
 CTGGTGGTCTTCTGGCCATCGTCTGTACCTTCTGCGCATCCACAGAATTACCAGCAGACAACCCGAG  
 CCTCGGCTCTCTGGACTGCTGTGGATCGAGCAAGTGGTGGCGATGATTGGGGTCCAGGTGGGGCCG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG216675 representing NM\_053103  
 Red=Cloning site Green=Tags(s)

MARISFSYLCPASWYFTVPTVSPFLRQRVAFLGLFFIPCVLILLIMDLRHWATSLPRDRQYERYLARVG  
 DLEATNTEDPNLNYGLVVDGSSGSRIFVYFWRHNGNPHDLLDIKQMRDRNSQPVVKKIKPGISAMADT  
 PEHASDYLRLLSFAAAHVVPVKKHRETPLYILCTAGMRLPERQQLAILADLVKDLPLEFDFLFSQSQAE  
 VISGKQEGVYAWIGINFVLRGFDHEDESSDTSVDSAAGRRRTVGILDMGGASLQIAYEVPVSASDLPPK  
 QEEAAKILLAEFNLGCDVQHTHEHVYRVYVTTFLGFGGNFARQRYEDLVNETLNKNRLLGQKTGLSPDNP  
 FLDPCLPVGLTDMVKRNNQVLHFRGKGDWASCRLLSPLLARSNTSQASLNGIYQSPIDFNNSEFYGFSE  
 FFYCTEDVLRIGGHYHGPTFAKAAQDYCGMAWPVLAQRFKNGLFSSHADEHRLKYQCFKSAWMEVLEHG  
 FHFPYDYNLQTAQLVYDREVQWTLGAILYKTRFLPLRDLRQGGVVRPAHGSWLRLSFVYNHYLFFACT  
 LVVLLAIVLYLLRIHRIHRRQTRASAPLDLLWIEQVPMIGVQVGP

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI

## Cloning Scheme:



**ACCN:** NM\_053103

**ORF Size:** 1818 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_053103.5](#), [NP\\_444333.3](#)

RefSeq Size: 6050 bp

RefSeq ORF: 1821 bp

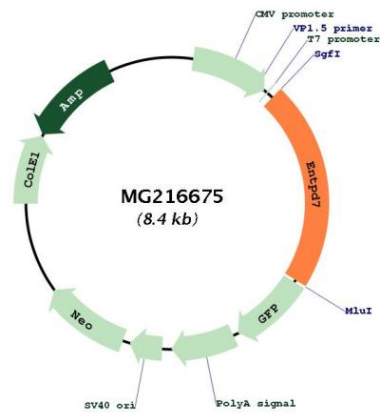
Locus ID: 93685

UniProt ID: [Q3TCT4](#)

Cytogenetics: 19 C3

**Gene Summary:** Preferentially hydrolyzes nucleoside 5'-triphosphates. The order of activity with respect to possible substrates is UTP > GTP > CTP (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG216675