

## Product datasheet for **MG209422**

### Entpd4 (NM\_026174) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Entpd4 (NM_026174) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Entpd4
Synonyms:	1200014F22Rik; 4930513O14Rik; A430102M06Rik; AI414893; Lysal1; mKIAA0392
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG209422 representing NM\_026174  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGGAGGATTGGCATTTCCTGTCTCTTCTGCCTCTTGGCATTTTAGCATCTCTCCAGTGGGCTGTC  
 CTGAATTCTGAACACCAATTTACGACAAATCGTTGTCATTAGCATCCTGGCTGCAGCTGTCTCCCTTTT  
 ATACTTCTCTGTTGCATAATCCGCAGCAAGTATGGGTGGCTGTCAAAGGACAAGAAATTTCAAAGTAC  
 TTGGCCCGAGTCACAGACGTTGAGGCCACAGACACCAACAACCCAGCGTGAAGTATGGCATCGTGGTGG  
 ACTGCGGCAGCAGTGGTCTCGGATATTTGCTACTGCTGGCCTCGGCACAATGGCAACCCTCACGATCT  
 GCTGGACATCAGACAGATGAGGGACAAAACCGGAAGCCAGTGGTATGAAGATTAAGCCCGGCATCTCA  
 GAGTTTGCTACCTCTCCAGAAAAAGTACGCGACTACATTTCTCCGCTTCTGAGCTTTGCTGCAGAACATG  
 TGCCCTCGGGCAAAACACAAGAGACACCTCTACATTCTGTCACAGCTGGAATGAGAGTCTTCTCTGA  
 AAGCCAGCAGAAAGCCATCCTAGAGGACCTCTGACCGACATCCCTGTGCACTATGATTTCTGTTTTCT  
 GACTCCCATGCCGAAGTCATCTCAGGAAAACAAGAAGGTGTATGCTTGGATCGGCATTAATTTTGTC  
 TCGGACGGTTTGAGCATATTGAGGAGGATGACGAGGCGGTTGTGGAAGTCAACATTCGGGCAGCGAGAG  
 CAGCGAGGCCATCGTGCGGAAAAGGACAGCTGGTGTCTCGCATGGGAGGCGTGTACCCAGATAGCG  
 TACGAAGTCCCCAAACTGTAAGCTTTGCCTCCTCGCAGCAGGAAGAAGTAGTAAAAACCTGTTAGCTG  
 AATTCACCTGGGGTGGCATGTCCACCAGACTGAGCATGTGTACCGCGTCTACGTGGCCACGTTTCTTGG  
 GTTTGGTGGTAATGCTGCCCGGCAGAGATGAAGACCGACTATTTGCCAGCACAGTTAGAAAAACAGG  
 CTCCTGGGTAACAGACTGGTCTGACTCCTGATGCTCCACTACTGGATCCCTGCTTGCCTCTGGACATTA  
 AAGATGAGATCCAGCAAAACGGGCAGACCCTGTACCTTCAGGGGACAGGAGACTTTGACCTGTGTGAGA  
 GACCCCTGCAGCCTTTTATGAACAAAACCAATGAGACCCAGACTTCCCTCAATGGCGTCTACCAGCCTCCA  
 ATCCACTTCCAGAACAGTGAATTCTACGCTTCTCTGAGTTCTACTACTGCACCGAGGATGTCTTGCAGAA  
 TGGGGGGAGACTACAATGCTGCTAGATTCACTCAAGCTGCCAAGGATTACTGTGCAACAAAGTGGTCGAT  
 CCTGCGGGAACGCTTTGACCGAGGACTCTATGCCTCTCATGCCGACCTCCATCGACTGAAGTATCAGTGT  
 TTCAAATCAGCCTGGATGTTGAGGTTTCCACAAAGGCTTCTCCTTTCTGTACCTACAAAAACCTGA  
 AGACGGCCTTGCAGGTGTATGACAAGGAAGTACAGTGGACCTGGGGGCCATCCTTACCAGACCCGCTT  
 CCTGCCCTTGCAGAGATCCGGCAGGAGGTGTTCCGAGCTGGCCACGCGCACTGGCGGGGCGTGTCTTC  
 GTCTACAACCACTATCTGTTCTCCGTTGCTTCTGGTGTCTTCTGTCCATCCTTCTCTACCTGTGTC  
 GGCTGCGGCGCATCCACCGCAGGCGCCCGCACTGGCTCTCTGTGGATGGAGGAAGGCCTGCCCTCCA  
 GAAGGGCCCTGGGCCCTTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG209422 representing NM\_026174  
 Red=Cloning site Green=Tags(s)

MGRIGISCLFPASWHFISISVPGCPRIILNLRQIVVISILAAAVSLLYFSVVIIRSKYGWLSKDKKFQRY  
 LARVTDVEATDTNPNVNYGIVVDCGSSGSRIFVYCWPRHNGNPHDLLDIRQMRDKNRPVVMKIKPGIS  
 EFATSPEKVS DYISPLLSFAAEHVPRAKHKETPLYILCTAGMRVLPESQKAILEDLLTDIPVHYDFLFS  
 DSHAEVISGKQEGVYAWIGINFVLGRFEHIEEDDEAVVEVNIPGSESSEAIVRKRTAGVLDMGGVSTQIA  
 YEVPQTVSFASSQEEVAKNLLAEFNLGCDVHQTEHVYRVVYVATFLGFGGNAARQRYEDRLFASVQKNR  
 LLGKQTGLTPDAPLLDPCLPLDIKDEIQQNGQTLYLQGTGDFDLCRETLQPFMKNKNETQTSLNGVYQPP  
 IHFQNSEFYGFSEFYCTEDVLRMGDYNAARFTQAAKDYCATKWSILRERFDRGLYASHADLHRLKYQC  
 FKSAAWFEVFKGFSFPVTKNLKLTALQVYDKEVQWTLGAILYRTRFLPLRDIRQEVFRAGHAHWGVSF  
 VYNHYLFSGCFLVLLSILLYLLRLRRIHRRAPRTGSLWMEELPSQKGPGL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_026174.3</a>
<b>RefSeq Size:</b>	2996 bp
<b>RefSeq ORF:</b>	1842 bp
<b>Locus ID:</b>	67464
<b>UniProt ID:</b>	<a href="#">Q9DBT4</a>
<b>Cytogenetics:</b>	14 D2
<b>Gene Summary:</b>	Hydrolyzes preferentially nucleoside 5'-diphosphates, nucleoside 5'-triphosphates are hydrolyzed only to a minor extent.[UniProtKB/Swiss-Prot Function]