

## Product datasheet for **MG209458**

### Adck2 (NM\_178873) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adck2 (NM_178873) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adck2
Synonyms:	AA408112; BB006057
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG209458 representing NM\_178873  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGACCCCTGGCGTTTGTCTGTCCAGGCTGCTTGTGCACACTTAAGATGCTTTGAGTTCAGAAAGG  
 AACTTGGCATTCCAGACCCCTGGGATGCTCTCGCAATGCCAGACTATGTTGGTTCTGCTAGGTACTTT  
 GCCCAAATTAATCTCAGCCCATGGCAGTGTGGAGAGGGGGCGCTGGCAGCTTGTGCCAGAGAAAGACT  
 CACTGGAGTGACCTGGCGAAAAATGGACTAGTGGAGAAGGTGGCCCAAGAAGGGCCTCTGGCCCGCGTCT  
 TACTGTGTCTCCGCTAGGGCTCCGCGTGGTGTCTTGGCGAAATCTTCCCCTCTCTTCTTGTGA  
 CCCTCTCACCTACTTGGCCCTGGCCTCTCCACCCTCTGGCTCCATCTGCTTTTCAAAGCTACAGAGACC  
 TCAGGCCAACATATATCAAATGGGCCAATGGGCCAGCACCCGGCGGACCTCTTTTCAGAGGCTTTCT  
 GTACCCAGTTCTCAAGCTGCATGTCCAGGTGACCCCCACCCTTGGGCAAGGACGGAATACTTACTCCA  
 GCAGGCATTTGGGAGGATTGGGGCAGCCTCTCTTTTCGAGACCCGGGAACCTGTAGGTTCAAGTTGT  
 GTGGCCCAAGTGTACAAAGCGTTTCGCTAGTATTTCTTGTGGAGGAAGACAGGATCTGGAGACTTGGGG  
 AGCTCTCTGCCCCAGGAACCAGGGCCGTGGTGTGCAGAGAGAGCCCTTTATGAAAGACCGGAAGCCTTC  
 AGAAAACCTTGGCGACGAAGCATTTCTAGAAAACTGCTTCTTCTAAAGCTGACCTTGGTGGGTGAGAA  
 GTGGGTGTGTCTCAGGCTCCCTGGCATCTGCCTAAGTCAGATCACCTCATCCCAGTGGCAGTGAAAGTAT  
 TACACCCAGGCTTGTCTCTCAGGTGCCATGGATTTACTGCTGATGAAGATTGGCAGCAAAGCCCTGGG  
 GCTTTTACCTGGAGTCAAATGGCTTAGCTTGCCTGAGATCGTGGAGGAATTCGAGAAGCTCATGGTCCAA  
 CAGACAGACCTGCGCTATGAAGCTCAGAATCTAGAGCACTTTCCAGCAACTTCCAGGACATGGCATCTG  
 TGAATTTCCACCCCACTGCGCCCTCATCACTAGGGATATTCTGGTGAAACGTATGAAGAGAGTGT  
 TCCAGTGTCCAGCTACCGCAGGCAGGAATTCACCCGATCTGAAGAGGAAGATTGCACAGCTGGGGATC  
 AACATGCTTTTGAAGATGATATTTGTGGATAACTTTGTACACGGAGATCTGCACCCTGGAACATCCTGG  
 TCCAGGGTGTGATGGAGTGTCCCAAGCCTGGAGATGCAACAGCAGCAGGTGAATGTCTGTGACACACT  
 GGTGGCTACCATAGCGCCTGCCCTGTGCCACTGCGCCTGGTGTGTTGGATGCTGGCATTGTGGCAAAA  
 CTGCAGGCTTCTGACCTGAGGAATTTCCGGCAGTTTTCCAGGCTGTAGTGTGGACAGGGCCATCGAG  
 TGGCTGAGCTCATGCTGCATCATGCCAGGCCAATGAGTGCAGGGATGTGGAAAGGTTCAAGGCTGAGAT  
 GGCTACACTGGTGACCCAGGCCAGGAAGAACATCGTCACACTGGAAGGTTTCTGTTTCCAGCCTCCTA  
 TCCAGTGTCTTTAAGCTACTGATGACCCATAAGGTAAGCTGGAGAGCAACTTCGCTCCATTGTGGTTG  
 CCATCATGGTGTGGAGGGGCTCGGCCGCTCACTGGACCCACGCTGGACATCTAGAGGACGAAAACC  
 CTTCTCTTCAAAGGGCCAGCATCATTCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG209458 representing NM\_178873  
 Red=Cloning site Green=Tags(s)

MVTPWRLSVRVCLSHLRCFEFRKELGHSRPLGCSRNRALCWFLGLTLPKLI SAHGSVGEAGPGLCQRKT  
 HWSDLAENGLVEKVAQEGPLARVLLCLRLGLRAGVLLAKFFPLFLYPLTYLAPGLSTLWLHLLFKATET  
 SGPTYIKLGQWASTRRDLFSEAFCTQFSKLHVQVTPHPWARTEYLLQQAFGEDWGSLLFFETREPVGSGC  
 VAQVYKAFASISLLEEDRIWRLGELSAPGTRAVVMQREPFMKDRKPSENLADEAFLEKLLLPKADLGGSE  
 VGVSQAPWHLPKSDHLIPVAVKVLHPGLLSQVSMDLLMKIGSKALGLLPGVKWLSLPEIVEEFELKLMVQ  
 QTDLRYEAOQNHLEHFQHNFDQMASVKFPTPLRPLITRDILVETYEESVPVSSYQQAGIPTDLKRKIAQLGI  
 NMLLKMIFVDNFVHGDLPNGNLLVQGADGVSPSLEMQQQVNVCDTLVATIAPALCPLRLVLLDAGIVAK  
 LQASDLRNFRAVFQAVVMQGHVRAELMLHHAQANECRDVERFKAEMATLVTQARKNIIVTLEKLHVSSLL  
 SSVFKLLMTHKVKLESNFASIVVAIMVLEGLGRSLDPTLDILEAAKPFKGPASFL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-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_178873.2</a> , <a href="#">NP_849204.1</a>
<b>RefSeq Size:</b>	3540 bp
<b>RefSeq ORF:</b>	1854 bp
<b>Locus ID:</b>	57869
<b>UniProt ID:</b>	<a href="#">Q6NSR3</a>
<b>Cytogenetics:</b>	6 B1
<b>Gene Summary:</b>	The function of this protein is not yet clear. It is not known if it has protein kinase activity and what type of substrate it would phosphorylate (Ser, Thr or Tyr).[UniProtKB/Swiss-Prot Function]