

Product datasheet for **MG205955**

Adap2 (NM_172133) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adap2 (NM_172133) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adap2
Synonyms:	Centa2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205955 representing NM_172133 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCGACCGCGAGCGCAACAAGAAGCGGCTGCTGGAGCTGCTGCAGGCTGCGGGCACCGCAACGGGC
ACTGCGCCGACTGCGGGCAGCGGATCCTGATTGGCCTCTTACAAGCTGGGGATTTTCATCTGTCTCCA
CTGCTCTGGCGTCCACCGCAACTCCCAGACATCAGCAAAGTTAAATCCGTGAGACTGGACTTCTGGGAC
GACAGTATGGTGGAGTTCATGACTCACCATGGGAACCTCAACGTGAAAGCCAAGTTGAAGCAAGAGTCC
CAGCTTTCTACTATGTCCCTCAGGCCAACGACTGCCTGGTCTTAAAGGAACAATGGATTCGAGCTAAGTA
TGAAAGACAGGAGTTTACGGCTATTGACAAAGCTGTCTCACATCCAGGTAACCGAGAAGGGTTCTGTGG
AAGCGAGGACGGGACAACGCACAGTTCTGAGAAGCGGTTTGTCTTCTGTCGAGGGAAGGCCCTCTGA
AGTACTACACCAAGGAGGAGGGTAAAGCCCAAAGGCTGTATCAGCATCAAGGACTTAAACGCCACCTT
CCAGACAGAGAAGATAGGACATCCCCACGGGCTGCAGATCACCTACAGGAAAGAGGGCCACACCAGGAAC
CTGTTTGTTCATGACAGTGGGAAGGAGATAGTGGATTGGTTCAATGTCTCCGTGCAGCCCGCTGC
AATACCTGAAATTGGCCTTTCCTGATCTCCAGAGTCTGAGCTCGTGCCTCTCATACCAGGAACACT
CAAACAAGGCTTCATGGAGAAGACTGGTCAAAGCATAGAGAACCCTTCAAGAAAAGATGGTTTGCCTTG
GATCCGCAGGAACGGAGGCTGCTATTATAAGAACCCCTGGATGCTTTTGAGCTGGCCAGGTTTTTC
TGGGAAGCAATGAGCAGGATATGAAGTATGGGAAGATCTGCCAAGGGCATCCGAGGGAACCGCTGGAA
GGCTGGACTTACCGTCATCACTCCGGAGCGAAATTCATCTTACCTGCCCACTGAAAAGGAACAGCGA
GAATGGCTAGAGAGTCTGCGGGCGTCTTGTCCAGTCCCTGTCAACCCTCCACCTCCTACCACATCAG
CAGAGACTGGCTGTGGCCTGGGG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205955 representing NM_172133
 Red=Cloning site Green=Tags(s)

MGDRERNKKRLELLQAAGTGNGHCADCGAADPDWASYKLGIFICLHCSGVHRNFPDISKVKSVRDLDFWD
 DSMVEFMTHHGNLNVKAKFEARVPAFYYPQANDCLVLKEQWIRAKYERQEFTAIDKAVSHPGNREGFLW
 KRGRDNAQFLRRRFVLLSREGLLKYYTKEEGKAPKAVISIKDLNATFQTEKIGHPHGLQITYRKEGHTRN
 LFVYHDSGKEIVDFWNLRAARLQYLKLAFFDLPESELVPLITRNYLKQGFMEKTGPKHREPFKKRWFAL
 DPQERRLLYYKNPLDAFELGQVFLGSNEQGYEVWEDLPKGI RGNRWKAGLTVITPERKFI F T C P T E K E Q R
 EWLES LR G V L S S P L S P L H L L T T S A E T G C G L G

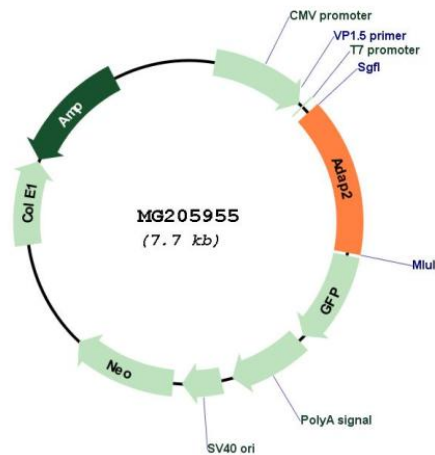
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_172133

ORF Size:	1143 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:	<ol style="list-style-type: none">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_172133.1 , NP_742145.1
RefSeq Size:	1611 bp
RefSeq ORF:	1146 bp
Locus ID:	216991
UniProt ID:	Q8R2V5
Cytogenetics:	11 47.56 cM
Gene Summary:	GTPase-activating protein for the ADP ribosylation factor family (Potential). Binds phosphatidylinositol 3,4,5-trisphosphate (PtdInsP3) and inositol 1,3,4,5-tetrakisphosphate (InsP4). Possesses a stoichiometry of two binding sites for InsP4 with identical affinity (By similarity).[UniProtKB/Swiss-Prot Function]