

Product datasheet for **RG207501**

Centaurin alpha 2 (ADAP2) (NM_018404) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Centaurin alpha 2 (ADAP2) (NM_018404) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADAP2
Synonyms:	cent-b; CENTA2; HSA272195
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207501 representing NM_018404 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GGCGCGCC**

ATGGGCGATCGCGAGCGCAACAAGAAGCGGCTGCTGGAGCTGCTGCGGGCGCCGGACACAGGCAACGCGC
ACTGCGCCGACTGCGGGCGGCAGATCCCGACTGGGCCTTTACAAGCTGGGGATCTTCATCTGTCTCAA
CTGCTGCGGCGTCCACCGTAACCTCCCTGACATCAGCAGAGTTAAATCTGTGCGACTTGACTTCTGGGAC
GACAGTATTGTGGAGTTTATGATCCACAATGGAACCTCCGTGTGAAGGCCAAGTTCGAAGCCAGAGTCC
CAGCTTTCTACTACATCCCCAGGCCAAGACTGCCTGGTCTTAAAGGAACAATGGATTCGAGCTAAGTA
TGAGAGACGGGAATTTATGGCTGATGGGAAACCATCTCGCTCCCAGGTAACCGAGAAGGATTCCTGTGG
AAGCGAGGAAGGGACAACCTCACAGTTTCTGAGAAGGAAGTTTGTACTTCTGGCAAGAGAAGGCCCTCTGA
AGTACTTCACAAAGGAACAGGGTAAAAGCCCCAAAGCTGTCATCAGCATTAAAGGACTTGAATGCCACCTT
CCAGACAGAGAAGATAGGGCACCCCAATGGGCTGCAGATCACCTACAGGAGAGATGGCCACACCAGGAAC
CTGTTTGTGATCATGAAAGTGGGAAGGAGATAGTGGACTGGTTCAATGCCCTCCGTGCAGCCCGTCTGC
AGTACCTAAAAATGGCCTTCTGAACTCCCAGAGTCTGAGCTCGTGCCATTCTCACCAGGAACACTCT
CAACAAGGCTTCATGAAAAAGACTGGCCAAAGAAAGAACCTTCAAGAAAAGGTGGTTCGCCCTGGAT
TGCCATGAGCGGAGGCTGCTCTATTACAAGAACCCTGGATGCCTTCGAGCAGGGCCAGTCTTTTCTTG
GGAACAAGGAGCAGGGATATGAAGCCTACGAAGACCTGCCAAGGGCATCCGAGGAAATCGCTGGAAGC
CGGACTACCATTTGTACCCCAGAGCGGAGATTTGTCCTCACTTGCCCCAGTGAGAAGGAACAGCAGGAA
TGGCTGGAAGTTTGGGGGTGTCCTGTCCAGCCCTTGACGCCCTCAACCGGCTTACTGCATCAACAG
AGAGTGGCCGCAGCAGCAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207501 representing NM_018404
Red=Cloning site Green=Tags(s)

MGDRERNKKRLELLRAPDTGNAHCADCGAADPDWASYKLGIFICLNCCGVHRNFPDISRVKSVRLDFWD
 DSIVFMIHNGNLRVKAKFEARVPAFYYIPQANDCLVLKEQWIRAKYERREFMADGETISLPGNREGFLW
 KRGRDNSQFLRRKFVLLAREGLLKYFTKEQGKSPKAVISIKDLNATFQTEKIGHPHGLQITYRRDGHTRN
 LFVYHESGKEIVDFWLNRAARLQYLKMAFPELPESELVPFLTRNYLKQGFMEKTGPKKEPFKKRWFALD
 CHERRLLYYKNPLDAFEQQQVFLGNKEQGYEAYEDLPKGIRGNRWKAGLTIPTERRFVLTCPSEKEQQE
 WLESRLRGVLSPLTPLNRLTASTESGRSSR

TRTRPLE - GFP Tag - V

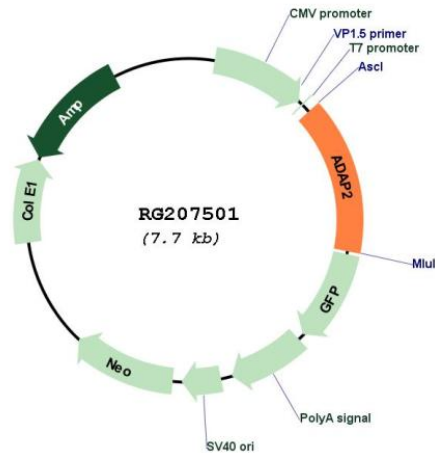
Restriction Sites:

AscI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_018404

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_018404.2 , NP_060874.1
RefSeq Size:	2757 bp
RefSeq ORF:	1146 bp
Locus ID:	55803
UniProt ID:	Q9NPF8
Cytogenetics:	17q11.2
Domains:	ArfGap, PH
Gene Summary:	The protein encoded by this gene binds beta-tubulin and increases the stability of microtubules. The encoded protein can also translocate to the cell membrane and bind phosphatidylinositol 3,4,5-trisphosphate (PtdInsP3) and inositol 1,3,4,5-tetrakisphosphate (InsP4). In addition, this protein is a GTPase-activating protein for ADP ribosylation factor 6 and may be able to block the entry of some RNA viruses. [provided by RefSeq, Oct 2016]