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Product datasheet for RC201129

AP2B1 (NM_001030006) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP2B1 (NM_001030006) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AP2B1
Synonyms:	ADTB2; AP2-BETA; AP105B; CLAPB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC201129 representing NM_001030006
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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Protein Sequence:

>RC201129 representing NM_001030006
Red=Cloning site Green=Tags(s)

MTDSKYFTTNKKGEIFELKAELNNEKKEKRKEAVKKVIAAMTVGKDVSSLFPDVVNCMQTDNLELKKLVY
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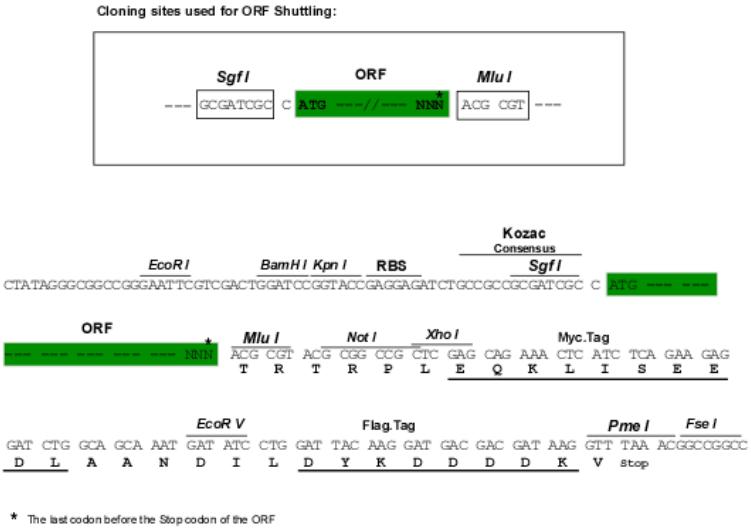
IWILAELRIQPGNPNYTLSLKCRAPEVSQYIYQVYDSILKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2917_a07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

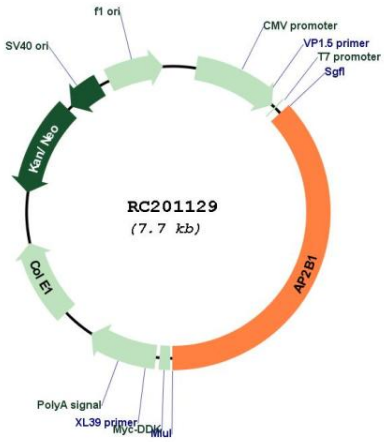


ACCN: NM_001030006

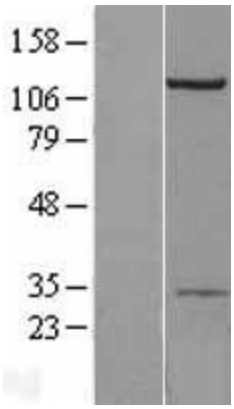
ORF Size: 2853 bp

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.
RefSeq:	NM_001030006.1, NP_001025177.1
RefSeq Size:	5772 bp
RefSeq ORF:	2856 bp
Locus ID:	163
UniProt ID:	P63010
Cytogenetics:	17q12
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis, Huntington's disease
MW:	105.5 kDa
Gene Summary:	The protein encoded by this gene is one of two large chain components of the assembly protein complex 2, which serves to link clathrin to receptors in coated vesicles. The encoded protein is found on the cytoplasmic face of coated vesicles in the plasma membrane. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

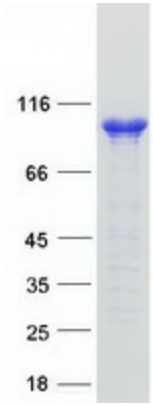
Product images:



Circular map for RC201129



Western blot validation of overexpression lysate (Cat# [LY422286]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201129 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified AP2B1 protein (Cat# [TP301129]). The protein was produced from HEK293T cells transfected with AP2B1 cDNA clone (Cat# RC201129) using MegaTran 2.0 (Cat# [TT210002]).