

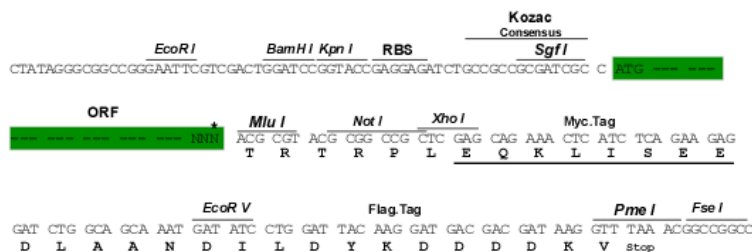
Product datasheet for RC203518

FBXO31 (NM_024735) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXO31 (NM_024735) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FBXO31
Synonyms:	FBX14; Fbx31; FBXO14; MRT45; pp2386
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Chromatograms:	https://cdn.origene.com/chromatograms/mk6424_d03.zip
Restriction Sites:	Sgfl-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



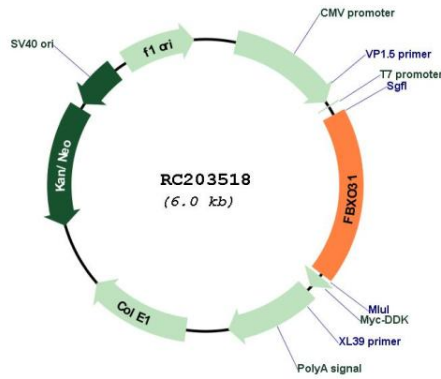
* The last codon before the Stop codon of the ORF

ACCN:	NM_024735
ORF Size:	1101 bp

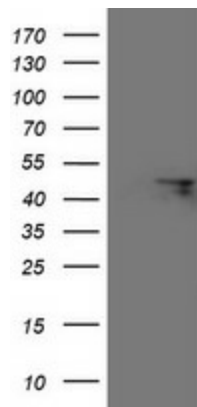


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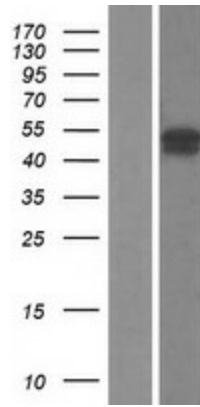
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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 Size:	5990 bp
RefSeq ORF:	1620 bp
Locus ID:	79791
UniProt ID:	Q5XUX0
Cytogenetics:	16q24.2
Domains:	F-box
Protein Families:	Druggable Genome
MW:	41.7 kDa
Gene Summary:	This gene is a member of the F-box family. Members are classified into three classes according to the substrate interaction domain, FBW for WD40 repeats, FBL for leucine-rich repeats, and FBXO for other domains. This protein, classified into the last category because of the lack of a recognizable substrate binding domain, has been proposed to be a component of the SCF ubiquitination complex. It is thought to bind and recruit substrate for ubiquitination and degradation. This protein may have a role in regulating the cell cycle as well as dendrite growth and neuronal migration. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

Product images:


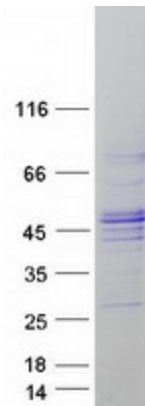
Circular map for RC203518



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY FBXO31 (Cat# RC203518, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FBXO31(Cat# [TA503945]). Positive lysates [LY411131] (100ug) and [LC411131] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY411131]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203518 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FBXO31 protein (Cat# [TP303518]). The protein was produced from HEK293T cells transfected with FBXO31 cDNA clone (Cat# RC203518) using MegaTran 2.0 (Cat# [TT210002]).