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Product datasheet for RC220364

ASXL2 (NM_018263) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASXL2 (NM_018263) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ASXL2
Synonyms:	ASXH2; SHAPNS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC220364 representing NM_018263
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC220364 representing NM_018263
Red=Cloning site Green=Tags(s)

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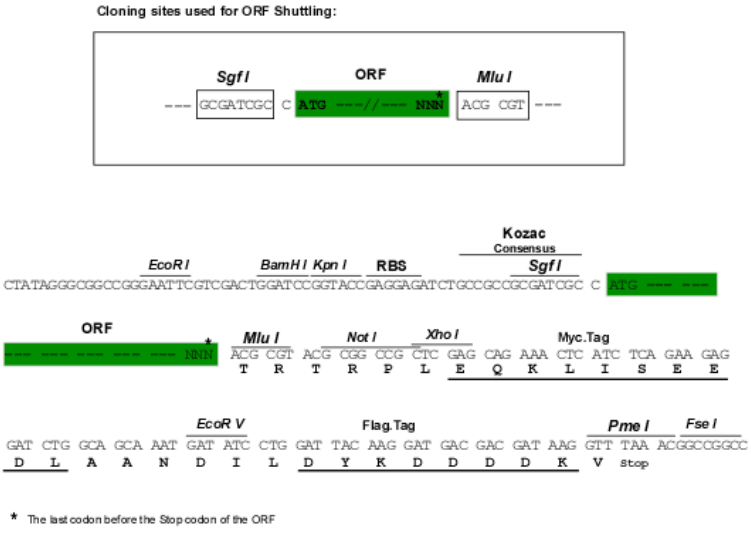
Chromatograms: https://cdn.origene.com/chromatograms/mg3842_e06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

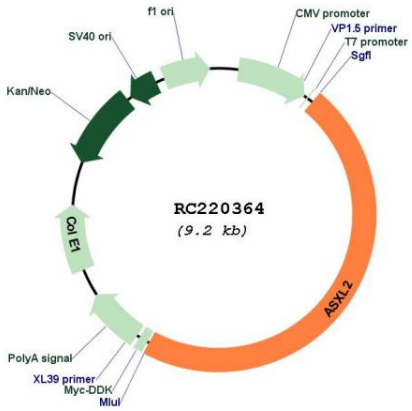


ACCN: NM_018263

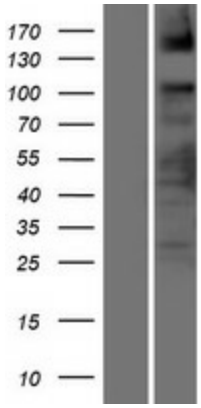
ORF Size: 4305 bp

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_018263.6
RefSeq Size:	7231 bp
RefSeq ORF:	4308 bp
Locus ID:	55252
UniProt ID:	Q76L83
Cytogenetics:	2p23.3
MW:	153.6 kDa
Gene Summary:	This gene encodes a member of a family of epigenetic regulators that bind various histone-modifying enzymes and are involved in the assembly of transcription factors at specific genomic loci. Naturally occurring mutations in this gene are associated with cancer in several tissue types (breast, bladder, pancreas, ovary, prostate, and blood). This gene plays an important role in neurodevelopment, cardiac function, adipogenesis, and osteoclastogenesis. [provided by RefSeq, Feb 2017]

Product images:



Circular map for RC220364



Western blot validation of overexpression lysate (Cat# [LY413175]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220364 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).