

Product datasheet for **RC200129**

C12orf11 (ASUN) (NM_018164) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C12orf11 (ASUN) (NM_018164) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C12orf11
Synonyms:	ASUN; C12orf11; GCT1; Mat89Bb; NET48; SPATA30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC200129 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

 ATGAAGATTTTTCTGAATCTCATAAAACAGTGTTTGTGTGGATCACTGCCCTTATATGGCAGAATCTT
GCAGGCAGCATGTCGAGTTTGATATGCTGGTGAAGAATAGAACCAAGGAATCATTCTTTGGCCCCAT
ATCTAAATCATTGTGGACTTGCTCAGTAGAATCTTCCATGGAATATTGTAGAATAATGTATGATATATT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RC200129 protein sequence
 Red=Cloning site Green=Tags(s)

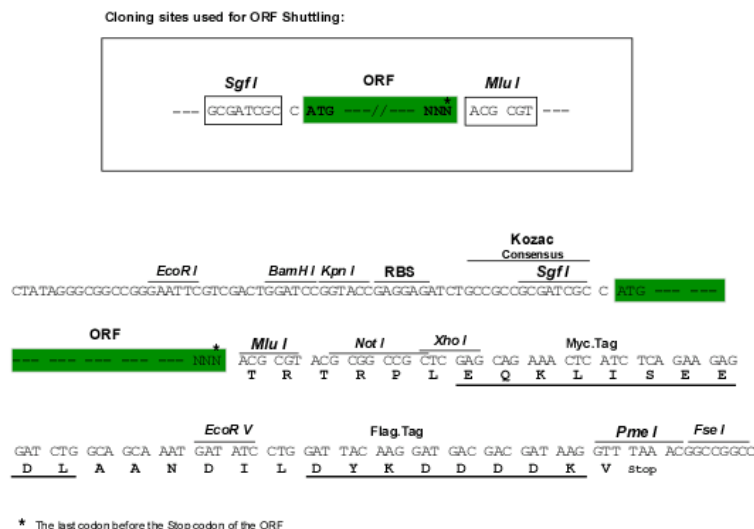
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 TNFLLNGRSVLLSQPRKSGSKVISHMLSSHGGEIFLHVLSSRSILEDPPISEGCGRVTDYRITDFGE
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 GKASRQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6581_h11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018164

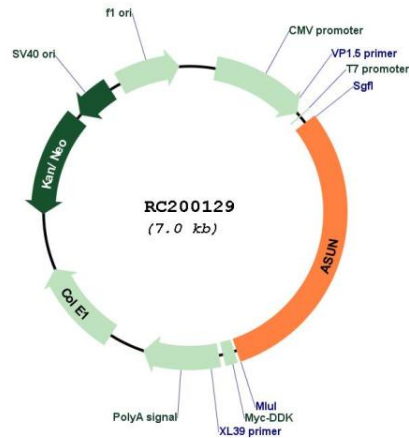
ORF Size: 2118 bp

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](#)

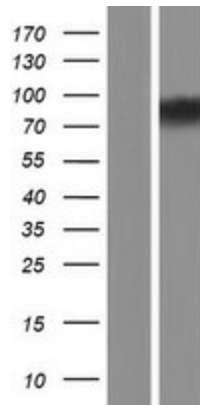
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_018164.3</u>
RefSeq Size:	2988 bp
RefSeq ORF:	2121 bp
Locus ID:	55726
UniProt ID:	<u>Q9NVM9</u>
Cytogenetics:	12p11.23
MW:	80.2 kDa
Gene Summary:	Crucial regulator of the mitotic cell cycle and development. At prophase, required for dynein anchoring to the nuclear envelope important for proper centrosome-nucleus coupling. At G2/M phase, may be required for proper spindle formation and execution of cytokinesis. Probable component of the Integrator (INT) complex, a complex involved in the small nuclear RNAs (snRNA) U1 and U2 transcription and in their 3'-box-dependent processing (PubMed:23904267).[UniProtKB/Swiss-Prot Function]

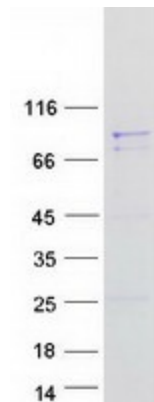
Product images:



Circular map for RC200129



Western blot validation of overexpression lysate (Cat# [LY413261]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200129 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified INTS13 protein (Cat# [TP300129]). The protein was produced from HEK293T cells transfected with INTS13 cDNA clone (Cat# RC200129) using MegaTran 2.0 (Cat# [TT210002]).