

Product datasheet for **SC304571**

INAVA (NM_018265) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INAVA (NM_018265) Human Untagged Clone
Tag:	Tag Free
Symbol:	INAVA
Synonyms:	C1orf106
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

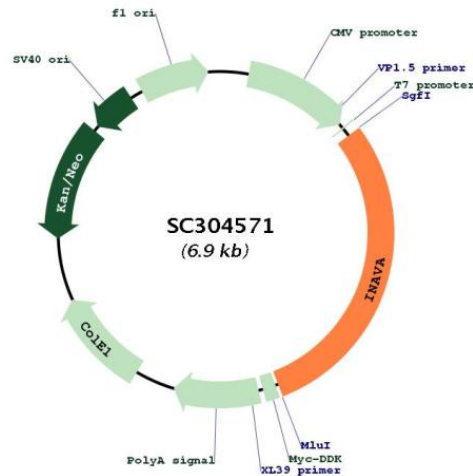


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Fully Sequenced ORF: >SC304571 representing NM_018265.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGCCCCAGGGGACAGATGTCTTGGGATCTTTAACATTTGGGATGCTGCAATGCCGAAGTTAAATGAA
ATACCTCCGGGGAGGGCAGGCCGCAGGGAGGCTCGGGGGAGGGAAGATGGCCTGGACAAACAGGTCTT
GAAGCTGCGAGGCTGGAGTGGAGGGCGCAGGGGCGAGGCGGGCGGCCAGAGCTCCATGGGACAGCTGG
GGAAGCTCCAGGCTACCTACACAACCTGGCCAGGCTGGTACGGTGTCCCCCTCCCTGCTCTGTGCC
CTCTCTTCCAGAAATCCACCATGGAGAGTAAGGATGAGGTGAGCGACACCGACAGTGGCATCATCTG
CAGTCTGGCCCCGACAGCCCGTCTCCCAATGAAGGAGCTGACCCATGCAGTGCACAAGCAGCAGAGG
GCCCTGGAAGCGAGGCTGGAGGCTGCCTGGAGGAGCTGAGGAGACTCTGCCTTCGGGAAGCGGAGCTG
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GCTCGGGCGCAGCGGAAGCACTCCATGCTGCAGGAGGAGAAGAAGCTGCAGGAGCTCCAGCGCTGCCCTG
GTCGAGCGGGCGGCAATAGCGAGCCACCTCCGGCTGCTGCTCTCCCCCTGGGCCGAGAGCTCAGTGCC
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CCAGAGTCTCCAGCCCCACCTTCTCGGCCCTCTCCACCCCAAACCTTGAGGGTCTGCAGCCAACAGGA
CCTGAGGCTGGGAGCCAGAACGGGCTCCAGTCCAGAACAGCCCTGGAAGGAAACCAGCCTGGACCAC
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TCGAGTCTCTGAGGGTGGATTCTTCCGGCGGGTCTGAGGGCCGAGGTCGCAGCGCCTTTCCCGC
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CACGCCGCTGCCACTCTGCTCAGAAGACAGTGGCTCTGACGTCTCCAGCATCTCCACCCCACTTCG
CCGGGCAGCAGCAGCCCCGACATCTCTTTCTGCAGCCTCTCTCCCTCCCAAGACCCATCGTCACCGC
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TATTTCCCGGGGGGGCGGTACGTGGTGGTGGCTGAGAGCCCCCTGCCGCTGGCGAGTGGGAGTGGC
CGCGCAGCCCCGGGCCCTGCTTACGAGGAGGAGGGCACTCCCTGCGCTACCAGCGTCTGGTGCCTCC
CGCAGCCGCATCGTGGGACGCCCTCCCTGAAGGACAGCCGGCAGGCCGGGGGCTCAGCAAGGCCGCC
GTGTCGAGGAGCTCAAGTGGTGGCAGCAGCGTGCACGCCCTCCGGAGCACCCGCCCACTCACTGGAC
CGCAAGGAGCTTTCCGGTTCAGGAGCCTGCCCTTGGGAGAGAGGGCTTCGGACGAGCCCTGGGACCC
CGGGCACAGGTGCCACAGTTTGTGTGCTGCGGAGATCGCTGATGGGGCCCTGTGCAAGTCTTTGTA
CCTGAAAAGGAGAGATCATCAGCCAGGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_018265

Insert Size: 2034 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_018265.3
RefSeq Size:	4161 bp
RefSeq ORF:	2034 bp
Locus ID:	55765
UniProt ID:	Q3KP66
Cytogenetics:	1q32.1
MW:	74.3 kDa
Gene Summary:	<p>Expressed in peripheral macrophages and intestinal myeloid-derived cells, is required for optimal PRR (pattern recognition receptor)-induced signaling, cytokine secretion, and bacterial clearance. Upon stimulation of a broad range of PRRs (pattern recognition receptor) such as NOD2 or TLR2, TLR3, TLR4, TLR5, TLR7 and TLR9, associates with YWHAQ/14-3-3T, which in turn leads to the recruitment and activation of MAP kinases and NF-kappa-B signaling complexes that amplifies PRR-induced downstream signals and cytokine secretion (PubMed:28436939). In the intestine, regulates adherens junction stability by regulating the degradation of CYTH1 and CYTH2, probably acting as substrate cofactor for SCF E3 ubiquitin-protein ligase complexes. Stabilizes adherens junctions by limiting CYTH1-dependent ARF6 activation (PubMed:29420262).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>