

Product datasheet for **SC325209**

INAVA (NM_001142569) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INAVA (NM_001142569) Human Untagged Clone
Tag:	Tag Free
Symbol:	INAVA
Synonyms:	C1orf106
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001142569 edited
 ATGCTGCAAAATGCCGAAGTTAAATGAAATACCTCCGGGGAGGGCAGGCCGAGGGAGGCT
 CGGGGGGAGGGAAGATGGCCTGGACAAACAGGTCTGAAGCTGCGAGGCTGGAGTGGAGG
 GCGCAGGGGCGAGGCGGGCGGCCAGAGCTCCATGGGACAGCTGGGGAAGCTCCAGGCTA
 CCTACACAACCTGGCCCAGGCTGGTCACGGTGTCCCCGTCCCTGCTCTGTGCCCTCTCC
 TTCCAGAAATCCACCATGGAGAGTAAGGATGAGGTCAGCGACACCGACAGTGGCATCATC
 CTGCAGCTGGCCCCGACAGCCCGTCTCCCAATGAAGGAGCTGACCCATGCAGTGCAC
 AAGCAGCAGAGGGCCCTGGAAGCGAGGCTGGAGGCTGCCTGGAGGAGCTGAGGAGACTC
 TGCCCTTCGGGAAGCGGAGCTGACGGGCACCTTGCCAGCGGAGTATCCCCTCAAACAGGG
 GAAAAGGCCCCCAAGTTTCGCCGAGGATCGGAGCGGCTTACAAACTGGATGACTGGGCC
 TTGCACAGAGAGGACCCCTAAGCAGCCTGGAGCGCCAGCTGGCCCTGCAGCTGCAGATC
 ACAGAGGCGAGCCCGTGGCTGTGCCTGGAGGAGAACTCAGCAGGCGAGGCTCGGCGGCAG
 CGGAAGCACTCCATGCTGCAGGAGGAGAAGAAGCTGCAGGAGCTCCAGCGCTGCCTGGTC
 GAGCGGGCGCAATAGCGAGCCACCTCCGGCTGCTGCTCTCCCCTGGGCGGAGAGCTC
 AGTGCCTCTGATGACAGCTCCCTGTGAGTGGGCTCCTCTGGAGGAAGGGAATCCCAA
 GTGCCAAAACCTCTCCAGAGTCTCCAGCCCCACCTTCTCGGCCCTCCCAACCCAAACC
 CTTGAGGGTCTGCAGCCAACAGGACCTGAGGCTGGGAGCCAGAACGGGCTCCAGTCCAG
 AACAGCCCTGGAAGGAAACCAGCCTGGACCACCCCTATGAGAAGCCAGGAAGTCTTCT
 GAGCCCTGGAGCGAGTCCAGCAGCCAGCCACACACAGGATGGGCCAGTGCCTCC
 AGCCTGTGGCTTCTGGAGCCTGCCTCCTACCACGTGGTCCCATCCGTGGTGTCTCTGGC
 CAGTGGCAGGGCCGACCACTGCCCCAGCCACCCCTGAGATACAGGGGAGGAGGGGCCAG
 TCGCAGCTCTGAGGGTGGATTCTTCCGGGCGGGTCTGAGGGCCGAGGTCGCAGCGCC
 TTTCCCCGCGCCGCCCCACTCACTACACGGTGACAGTCCAGATTCTGCTTTCCCGCG
 ACCAAGCCCCCGCTGCCACGCGCCTGCCACTCCTGCTCAGAAGACAGTGGCTCTGAC
 GTCTCCAGCATCTCCACCCCACTTCGCCGGGCGAGCAGCAGCCCCGACATCTCCTTTCTG
 CAGCCTCTCTCCCTCCCAAGACCCATCGTCACCGCGGGGCTGGGTCCCAGCCGCGAGC
 AGAGAGCTGGTCGCCACCCCAAGCTACTGCTGCCGCTGGCTATTTCCCGCGGGG
 CGGTACGTGGTGGTGGCTGAGAGCCCCCTGCCGCTGGCAGTGGGAGCTGTGCCGCGCA
 GCCCGGGGCCCTGCTTACGAGGAGGAGGGCACTCCCTGCGCTACCAGCGTCTGGTGCC
 TCCCGCAGCCGCATCGTCCGAGCCCTCCCTGAAGGACAGCCCGCAGGCGGGGGCTC
 AGCAAGGCGCCGTGTCGAGGAGCTCAAGTGGTGGCACGAGCGTGCACGCTCCGGAGC
 ACCCGACCCCACTCACTGGACCCCAAGGAGCTTCCGGGTGAGGAGCCTGCCCTTGGG
 AGAGAGGGCTTCGGACGAGCCCTGGGACCCCGGCACAGGTGCCACAGTTTGTGTGCTG
 CGGAGATCGCCTGATGGGGCCCCTGTGCAAGTCTTTGTACCTGAAAAAGGAGAGATCATC
 AGCCAGGTGTAACCTGCGCCCCACGCTGGAAAAAAGTGTTCATAGAGGGGCTGGGCTG
 AGACCCCAACCCCTGAGTGCCTCTTTCAGCTCCCCATCCCCATCGCAGGCGGATGAC
 CTGGAGCTGAGACCTTTTATTATTTTTTTTTTACACGACTTTTTTTCAGAAGCCCTGACCT
 AAGGATTTATATATGTGGATTGCCTCAATACCCCTGTGATATGATTATGTTTTATCCCC
 CAGAGTTTGGCCTACTGGACTTAAGGCCTTGCCGTGTGACTGACAGCCTCTATCTCCT
 ATATAAGACAAGTGGCAGGGGACGAGTGAAGCAGAGTGAGCCACCTTGGG

Restriction Sites: Please inquire

ACCN: NM_001142569

Insert Size: 4225 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001142569.1 , NP_001136041.1
RefSeq Size:	4225 bp
RefSeq ORF:	1737 bp
Locus ID:	55765
UniProt ID:	Q3KP66
Cytogenetics:	1q32.1
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 (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream translational start codon, compared to variant 1. The encoded isoform (2) is shorter at the N-terminus, compared to isoform 1.</p>