

Product datasheet for **SC324402**

alpha Internexin (INA) (NM_032727) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	alpha Internexin (INA) (NM_032727) Human Untagged Clone
Tag:	Tag Free
Symbol:	alpha Internexin
Synonyms:	NEF5; NF-66; TXBP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_032727.2
 CTTCTGTAGCTCGCGTTGAAGCCGCACGTCCGGCCCCGATCCCGCACCATGAGCTTCGG
 CTCGGAGCACTACCTGTGCTCCTCCTCCTACCGCAAGGTGTTCGGGATGGCTCTCG
 CCTGTCCGCCCGCTCTCTGGGGCCGGCGCGGGCGGCTTCCGCTCGCAGTCGCTGTC
 CCGCAGCAATGTGGCCTCCTCGGCCGCTGCTCCTCGGCCCTCGTCGCTCGGCCTCGGCCT
 GGCCATATCGCCGGCCCGCGCGTCCGACGGGCTGGACCTGAGCCAGGCGGCGCGCGCAC
 CAACGAGTACAAGATCATCCGCACCAACGAGAAGGAGCAGCTGCAGGGCCTCAACGACCG
 CTTTCGCGTGTTCATCGAGAAGGTGCATCAGCTGGAGACGCAGAACCAGCGGTTGGAGGC
 CGAGCTGGCCGCGCTGCGACAGCGCCACGCTGAGCCGTCGCGCGTCGGCGAGCTTTCCA
 GCGCGAGCTGCGGACCTGCGCGCGCAGCTGGAGGAGCCAGCTCGGCTCGCTCGCAGGC
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 GGAGAGCCCGGACGCGAAGGCGCCGAGCGCGCCCTGAAGGCGCAGCAGCGCGACGTGGA
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 GGCCCTTGTACGCCAGGTGCACGACGAGGAGGTAGCCGAGCTGCTGGCCACGCTGACGGC
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 AGAATGGTACAAGTCCAAGTTTGCCAACCTGAACGAGCAGGCGGCGCGCAGCACCAGGC
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 TCTGAGGAACACCAAGAGTGAGATGGCACGCCACCTTCGGGAATACCAGGACTTGCTCAA
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 TTACCTGCTCCCACCTAGAATCCTCAGTGCTACAACCTCCAAAGTCTCATCCACTGGGCT
 ATCACTTAAGAAAGAGGAGGAGGAGGAGGAGGCATCTAAGGTAGCCTCTAAGAAAACCTC
 CCAGATAGGGGAAAGTTTTGAAGAAATATTAGAGGAGACAGTAATATCTACTAAGAAAAC
 CGAGAAATCAAAATATAGAAGAAACCACCATTTCAAGCCAAAAAATAAATCCATTGCTT



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TGAAAAAGTTAATGCTTAAGAGGGAATGATATGCATTTGACTTGTAAACAGCCTATTCC
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ATTGAATACTTACATTCTCTAATAAGAAAACCACCCCTTAGATTGAAGTAAACTGCAGTC
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TGTCAGTTCATTTGGGTGATATAGAATTAGCTTTTTTATCCCTTACCCTTAGAATCCA
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TAAAAGAAACCACTTCTGGTCAATCAACACTACCAGCGTATATATAAGAAAGACATCTTT
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CCGGAGAGGAAGAGACTCAGACCAGAGAAGGGGTGTGCATGCCCTACTCGCTTGCTA
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AGTCTTTTCTGTGTGCCAAGGCTGATGCAGGATTTGTTCTCTGTCCAGCAGTCACTTCGG
CCAGAGCTGAAGAGTTGCCCGTCTCTGTTCCATGTCTCCTTTAAGAGCTCTGGTGATAA
GGACATGATGCTTTTACTGAAGTCTTCTTATCCTAGCACATGCTTCAATAGTTCAAGGAAC
TTGAAAAATACTTTTCTTACCTTTACCCCATCCCTGTCTTTACTCCTCACACTTACTGT
AAGACATTAGTAACATAAATAAATTTAAAGTCACACGAATCTCACAAAAAATTTTTTTT
AAA
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- Restriction Sites:** Please inquire
- ACCN:** NM_032727
- 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:

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_032727.2](#), [NP_116116.1](#)

RefSeq Size: 3243 bp

RefSeq ORF: 1500 bp

Locus ID: 9118

UniProt ID: [Q16352](#)

Cytogenetics: 10q24.33

Domains: filament, filament_head

Gene Summary: Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and they functionally maintain the neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene is a member of the intermediate filament family and is involved in the morphogenesis of neurons. [provided by RefSeq, Jun 2009]