

Product datasheet for **SC214637**

Ankyrin G (ANK3) (NM_001149) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Ankyrin G (ANK3) (NM_001149) Human 3' UTR Clone
Symbol:	Ankyrin G
Synonyms:	ANKYRIN-G; MRT37
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001149
Insert Size:	2000 bp



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Insert Sequence: >SC214637 3'UTR clone of NM_001149
 The sequence shown below is from the reference sequence of NM_001149. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CGGCATGTGAAAAAGAAGAGCCACTCGTAAACAGCGAACGGTCAGTCAAGGATCATAGTTTTTACTGCC
AGTATTGAGAAATTCGTGGAAGAAATGTCAGCAGGAAGTAAAAATTCACCGAGAAGTGTGTGTGTGTTT
GCTGCTCCACACATTAATGGCATGATTTTTTTTTATGCAAAAAGAAAAGAAAAGAAAACCACCCACATT
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TAGCAATGCAGTGTATATAACAAGAAGCCATGCTGTTAACAGTTTATCTCAAGTAATTTGGTGTCAATTA
CAAAAGGAAGAAATTCCTGCCATCAGAAGGGACAGAAGGAGATGGAATGATCAAATCACAGAGAAACAC
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ATGCAGTTGCTTTAGCCACAGAGCTGTTTTGTTTTGTTTTATTAATTTACATTTATTGTCCATTC
TTACAAGTTGGGACATTTACATAATTAAGTTGCTAACATCTCTTAAAAAGCAAGATTTGGCAACAATG
GACCTCATTCCAGAAGGTAACAACCTGCTAGAGCCAAGTTGTCCTGCCCTCTCCAGCCAGGTGTGG
ACGCGT AAGCGGCCGCGGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001149.4](#)

Summary:

Ankyrins are a family of proteins that are believed to link the integral membrane proteins to the underlying spectrin-actin cytoskeleton and play key roles in activities such as cell motility, activation, proliferation, contact, and the maintenance of specialized membrane domains. Multiple isoforms of ankyrin with different affinities for various target proteins are expressed in a tissue-specific, developmentally regulated manner. Most ankyrins are typically composed of three structural domains: an amino-terminal domain containing multiple ankyrin repeats; a central region with a highly conserved spectrin binding domain; and a carboxy-terminal regulatory domain which is the least conserved and subject to variation. Ankyrin 3 is an immunologically distinct gene product from ankyrins 1 and 2, and was originally found at the axonal initial segment and nodes of Ranvier of neurons in the central and peripheral nervous systems. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Feb 2011]

Locus ID:

288

MW:

76.7