

Product datasheet for **SC214587**

TXNIP (NM_006472) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TXNIP (NM_006472) Human 3' UTR Clone
Symbol:	TXNIP
Synonyms:	ARRDC6; EST01027; HHCPA78; THIF; VDUP1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_006472
Insert Size:	1446 bp



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Insert Sequence: >SC214587 3'UTR clone of NM_006472
 The sequence shown below is from the reference sequence of NM_006472. 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
CCCTGCATCCTCAACAACAATGTGCAGTGAAGCATGTGGAAGAAAAGAAGCAGCTTTACCTACTTGTTC
TTTTGTCTCTCTTCTGACACTCACTTTTTTCAGAGACTCAACAGTCTCTGCAATGGAGTGTGGGTCC
ACCTTAGCCTCTGACTTCTAATGTAGGAGGTGGTCCAGCAGGCAATCTCCTGGGCCTTAAAGGATGCGG
ACTCATCCTCAGCCAGCGCCCATGTTGTGATACAGGGGTGTTTGGATGGGTTAAAAATAACTAGA
AAAACCTCAGGCCATCCATTTTCTCAGATCTCCTTGAATTTGAGGCCTTTTCGATAGTTTCGGGTGAG
GTAATAATGGCCTCCTGGCGTAAGCTTTTCAAGGTTTTTGGAGGCTTTTGTAAATTGTATAGGAAC
TTTGGACCTTGAACCTACGTATCATGTGGAGAAGACCAATTTAACAACTAGGAAGATGAAAAGGGAA
ATTGTGGCCAAAACCTTTGGGAAAAGGAGGTTCTTAAAATCAGTGTTCCTTTGTGCACTGTAGAAA
AAAAGAAAAACCTTCTAGAGCTGATTTGATGGACAATGGAGAGAGCTTTCCCTGTGATTATAAAAAAG
GAAGCTAGCTGCTCTACGGTCATCTTGTCTAGAGTATACTTTAACCTGGCTTTAAAGCAGTAGTAAC
TGCCCCACCAAAGGTCTTAAAAGCCATTTTGGAGCCTATTGCACTGTGTTCTCCTACTGCAAAATTTT
TCATATGGGAGGATGGTTTTCTTCTCATGTAAGTCCTTGGAAATTGATTCTAAGGTGATGTTCTTAGCAC
TTAATTCCTGTCAAATTTTTGTTCTCCCTTCTGCCATCTTAAATGTAAGCTGAAACTGGTCTACTG
TGCTCTAGGGTTAAGCCAAAAGACAAAAAAATTTACTACTTTTGAGATTGCCCAATGTACAGAAAT
TATATAATTCTAACGCTTAAATCATGTGAAAGGTTGCTGCTGTCAGCCTTGCCACTGTGACTTCAAAA
CCCAAGGAGGAAGCTTTGATCAAGATGCCCAACCCTGTGATCAGAACCTCAAATACTGCCATGAGAAA
CTAGAGGGCAGGCTTTCATAAAAAGCCCTTTGAACCCCTTCTGCCCCTGTGTTAGGAGATAGGGATATT
GGCCCTCACTGCAGCTGCCAGCACTTGGTCAGTCACTCTCAGCCATAGCACTTTGTTCACTGTCCTGT
GTCAGAGCACTGAGCTCCACCCTTTCTGAGAGTTATTACAGCCAGAAAGTGTGGCTGAAGATGGTTG
GTTTCATGTTTTGTATTATGTATCTTTTTGTATGGTAAAGACTATTTTTGTACTTAACCATATAT
TTTTACCCAGATGGGATATTCTTTGAAAAAATGAAAAATAAGTTTTTTAATGGAAAAAAA
ACGCGTAAGCGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
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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_006472.6](#)

Summary: This gene encodes a thioredoxin-binding protein that is a member of the alpha arrestin protein family. Thioredoxin is a thiol-oxidoreductase that is a major regulator of cellular redox signaling which protects cells from oxidative stress. This protein inhibits the antioxidative function of thioredoxin resulting in the accumulation of reactive oxygen species and cellular stress. This protein also functions as a regulator of cellular metabolism and of endoplasmic reticulum (ER) stress. This protein may also function as a tumor suppressor. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]

Locus ID: 10628

MW: 55.1