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Product datasheet for RC210804L3V

TXNIP (NM_006472) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TXNIP (NM_006472) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TXNIP
Synonyms:	ARRDC6; EST01027; HHCPA78; THIF; VDUP1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_006472
ORF Size:	1173 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC210804).`
OTI Disclaimer:	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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_006472.1
RefSeq Size:	2979 bp
RefSeq ORF:	1176 bp
Locus ID:	10628
UniProt ID:	Q9H3M7
Cytogenetics:	1q21.1
Domains:	arrestin
Protein Families:	Druggable Genome

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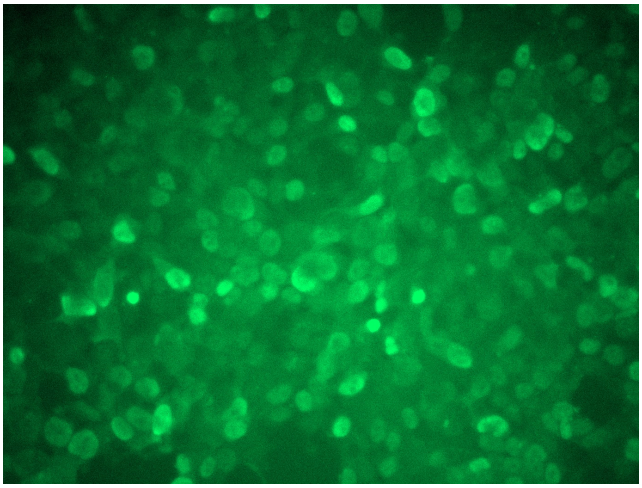
MW: 43.7 kDa

Gene 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]

Product images:



[RC210804L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC210804L3V particle to overexpress human TXNIP-Myc-DDK fusion protein.