

## Product datasheet for **TP310804**

### TXNIP (NM\_006472) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human thioredoxin interacting protein (TXNIP), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210804 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MVMFKKIKSFEVVFNDPEKVYGSGEKVAGRIVIVEVCEVTRVKAVRILACGVAKVLWMQGSQQCKQTSEYL  
RYEDTLLLEDQPTGENEMVIMRPGNKYEYKFGFELPQGPLGTSFKGKYGCVDYVWKAFLDRPSQPTQETK  
KNFEVVDLVDVNTPDLMAPVSAKKEKKVSCMFIPDGRVSVSARIDRKGFCGEDEISIHADFENTCSRIVV  
PKAAIVARHTYLANGQTKVLTQKLSSVRGNHIISGTCASWRGKSLRVQKIRPSILGCNILRVEYSLLIYV  
SVPGSKKVIDLPLVIGSRSGLSRTSSMASRTSSEMSWVDLNIPTPEAPPCYMDVIPEDHRLESPTTP  
LLDDMDGSDSPIFMYAPEFKFMPPTTYTEVDPCILNNNVQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	43.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_006463</a>
Locus ID:	10628



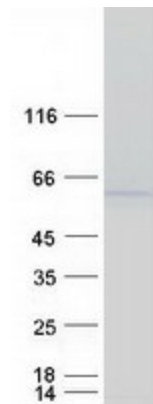
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UniProt ID: [Q9H3M7](#)  
RefSeq Size: 2979  
Cytogenetics: 1q21.1  
RefSeq ORF: 1173  
Synonyms: ARRDC6; EST01027; HHCPA78; THIF; VDUP1

**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]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified TXNIP protein (Cat# TP310804). The protein was produced from HEK293T cells transfected with TXNIP cDNA clone (Cat# [RC210804]) using MegaTran 2.0 (Cat# [TT210002]).