

Product datasheet for PH310804

TXNIP (NM_006472) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TXNIP MS Standard C13 and N15-labeled recombinant protein (NP_006463)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210804
Predicted MW:	43.7 kDa
Protein Sequence:	>RC210804 protein sequence Red=Cloning site Green=Tags(s) MVMFKIKISFEVVFNDPEK VYGSGEK VAGRVIVEVCEVTRVKAVRILACGVAKVLWMQGSQQCKQTSEYL RYEDTLLLEDQPTGENEMVIMRPGNKYEYKGFELPQGPLGTSFKGKYGCVDYWWKAFDRPSQPTQETK KNFEVVDLVVNTPDLMAPVSAKKEKKVSCMFI PDGRVSVSARIDRKGFCGDEISIHADFENTCSRIVV PKAAIVARHTYLANGQTKVLTQKLSSVRGNHII SGTCSWRGKSLRVQKIRPSILGCNLRVEYSLLIYV SVPGSKKVIDLPLVIGSRSGLSSRTSSMASRTSSEMSWDLNIPDTPEAPPCYMDVIPEDHRLESPTTP LLDDMDGSQDSPIFMYAPEFKFMPPTTYTEVDPCILNNNVQ TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006463
RefSeq Size:	2979
RefSeq ORF:	1173
Synonyms:	ARRDC6; EST01027; HHCPA78; THIF; VDUP1
Locus ID:	10628



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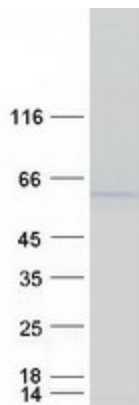
UniProt ID: [Q9H3M7](#)

Cytogenetics: 1q21.1

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]).