

Recombinant Full Length Human TXNIP Protein, C-Flag-tagged

Cat. No. TXNIP-449HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TXNIP Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	43.5 kDa
AA Sequence	MVMFKKIKSFEVVFNDPEKVYGSGEKVAGRVIVEVCEVTRVKAVRILACGVAKVLWM QGSQQCKQTSEYL RYEDTLILLEDQPTGENEMVIMRPGNKYEYKFGFELPQGPLGT SFKGKYGCVDYWVKAFLDRPSQPTQETK KNFEVVDLVDVNTPDLMAPVSAKKEKK VSCMFIPDGRVSVSARIDRKGFCGEDEISIHADFENTCSRIVV PKAAIVARHTYLANG QTKVLTQKLSSVRGNHIISGTCASWRGKSLRVQKIRPSILGCNILRVEYSLLIYV SVP

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GSKKVILDPLVIGSRSGLSRTSSMASRTSSEMSWVDLNIPDTPEAPPCYMDVIPE
DHRLESPTTP
LLDDMDGSQDSPIFMYAPEFKFMPPPTYTEVDPCILNNNVQTRTRPLEQKLISEEDL
AANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

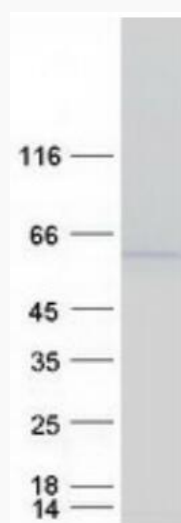
Gene Name	TXNIP thioredoxin interacting protein [Homo sapiens (human)]
Official Symbol	TXNIP
Synonyms	THIF; VDUP1; ARRDC6; HHCPA78; EST01027
Gene ID	10628

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mRNA Refseq	NM_006472.6
Protein Refseq	NP_006463.3
MIM	606599
UniProt ID	Q9H3M7



Coomassie blue staining of purified TXNIP protein.

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