

Thioredoxin-interacting protein (Txnip) Recombinant Protein | Txnip recombinant protein

Recombinant Thioredoxin-interacting protein (Txnip)

CATALOG # AAA18752	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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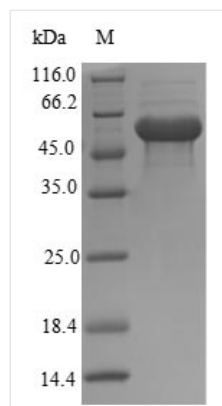
PRODUCT SYNONYMS

Thioredoxin-interacting protein (Txnip); Recombinant Thioredoxin-interacting protein (Txnip); Thioredoxin-interacting protein; Vitamin D3 up-regulated protein 1; Txnip recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-397aa; Full Length Protein
Sequence	MVMFKKIKSF EVVFNDPEKV YGSGEKVAGR VIVEVCEVTR VKAVRILACG VAKVLWMQGS QQCKQTLGYL RYEDTLLEE QPTAGENEMV IMRPGNKYEY KFGFELPQGP LGTSFKGKYG CVDYWVKAFL DRPSQPTQEA KKNFEVMDLV DVNTPDLMAP VSAKKEKKVS CMFIPDGRVS VSARIDRKGF CEGDDISIHA DFENTCSRIV VPKAAIVARH TYLANGQTKV FTQKLSSVRG NHIISGTCAS WRGKSLRVQK IRPSILGCNI LKVEYSLLIY VSVPGSKKVI LDLPLVIGSR SGLSSRTSSM ASRTSSEMSW IDLNIPDTPE APPCYMDIIP EDHRLESPTT PLLDDVDDSQ DSPIFMYAPE FQFMPPTTYT EVDPCVLNNN NNNNNVQ
Species	Mus musculus (Mouse)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Txnip recombinant protein	May act as an oxidative stress mediator by inhibiting thioredoxin activity or by limiting its bioavailability. Interacts with COPS5 and restores COPS5-induced suppression of CDKN1B stability, blocking the COPS5-mediated translocation of CDKN1B from the nucleus to the cytoplasm. Inhibits the proteasomal degradation of DDIT4, and thereby contributes to the inhibition of the mammalian target of rapamycin complex 1 (mTORC1). Functions as a transcriptional repressor, possibly by acting as a bridge molecule between transcription factors and corepressor complexes, and over-expression will induce G0/G1 cell cycle arrest. Required for the maturation of natural killer cells. Acts as a suppressor of tumor cell growth.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	60687518
NCBI GeneID	56338
NCBI Accession #	NP_001009935.1
NCBI GenBank Nucleotide #	NM_001009935.2
UniProt Accession #	Q8BG60; Q8BGQ0; Q8K2B2; Q9DC00; Q9EP90; Q9R115
Molecular Weight	46.4 kDa
NCBI Official Full Name	thioredoxin-interacting protein isoform 1
NCBI Official Synonym Full Names	thioredoxin interacting protein
NCBI Official Symbol	Txnip
NCBI Official Synonym Symbols	THIF; Tbp-2; VDUP1; Hyplip1; AA682105; 1200008J08Rik
NCBI Protein Information	thioredoxin-interacting protein; hyperlipidemia 1; thioredoxin binding protein-2; vitamin D3 up-regulated protein 1; upregulated by 1,25-dihydroxyvitamin D-3
UniProt Protein Name	Thioredoxin-interacting protein
UniProt Gene Name	Txnip
UniProt Synonym Gene Names	Vdup1
UniProt Entry Name	TXNIP_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/txnip-recombinant-protein-e-coli/18752>