

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

Recombinant Thioredoxin-interacting protein (TXNIP)

CATALOG # AAA26995	HOST Cell Free Expression
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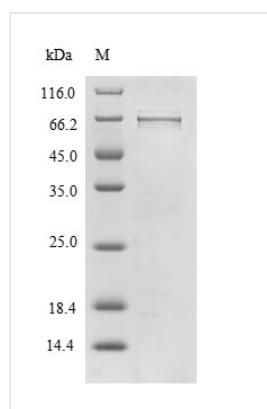
PRODUCT SYNONYMS

Thioredoxin-interacting protein (TXNIP); Recombinant Thioredoxin-interacting protein (TXNIP); Thioredoxin-binding protein 2; Vitamin D3 up-regulated protein 1; TXNIP recombinant protein

PRODUCT SPECIFICATIONS

Host	Cell Free Expression
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Liquid containing glycerol
Sequence Positions	1-391aa; Full Length Protein
Sequence	MVMFKKIKSF EVVFNDPEKV YGSGEKVAGR VIVEVCEVTR VKAVRILACG VAKVLWMQGS QQCKQTSEYL RYEDTLILLED QPTGENEMVI MRPGNKYEYK FGFELPQGGL GTSFKGKYGC VDYWVKAFLD RPSQPTQETK KNFEVVDLVD VNTPDLMAPV SAKKEKKVSC MFIPDGRVSV SARIDRKGFC EGDEISIHAD FENTCSRIVV PKAAIVARHT YLANGQTKVL TQKLSSVRGN HIISGTCASW RGKSLRVQKI RPSILGCNII RVEYSLLIYV SVPGSKKVIL DLPLVIGSRS GLSSRTSSMA SRTSSEMSWV DLNIPDTPEA PPCYMDVIPE DHRLESPTTP LLDDMDGSQD SPIFMYAPEF KFMPPPTYTE VDPCILNNNV Q
Species	Homo sapiens(Human)
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C.

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. 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. Inhibits the proteasomal degradation of DDIT4, and thereby contributes to the inhibition of the mammalian target of rapamycin complex 1 (mTORC1).
Product Categories/Family for TXNIP recombinant protein	Transmembrane Protein
References	"Regulation of the bioavailability of thioredoxin in the lens by a specific thioredoxin-binding protein (TBP-2)."Liyanage N.P.M., Fernando M.R., Lou M.F.Exp. Eye Res. 85:270-279(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	928192549
NCBI GeneID	10628
NCBI Accession #	NP_001300901.1
NCBI GenBank Nucleotide #	NM_001313972.1
UniProt Accession #	Q9H3M7; Q16226; Q6PML0; Q9BXG9; B4E3D3
Molecular Weight	59.7 kDa
NCBI Official Full Name	thioredoxin-interacting protein isoform 2
NCBI Official Synonym Full Names	thioredoxin interacting protein
NCBI Official Symbol	TXNIP
NCBI Official Synonym Symbols	THIF; VDUP1; ARRDC6; HHCPA78; EST01027
NCBI Protein Information	thioredoxin-interacting protein
UniProt Protein Name	Thioredoxin-interacting protein
UniProt Gene Name	TXNIP
UniProt Synonym Gene Names	VDUP1

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://stage.aaabiotech.com/txnip-recombinant-protein-cell-free-expression/26995>