

Thioredoxin-interacting protein

Catalog No: #AP78840

Package Size: #AP78840-1 50ug #AP78840-2 100ug #AP78840-3 1mg

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Description

Product Name	Thioredoxin-interacting protein
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	1-391AA
Other Names	VDUP1,Thioredoxin-binding protein 2,Vitamin D3 up-regulated protein 1
Accession No.	Q9H3M7Gene name:TXNIP
Uniprot	Q9H3M7
GeneID	10628;
Calculated MW	43.01
Tag Info	His
Formulation	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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).

References

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Note: This product is for in vitro research use only