



# Recombinant Mouse Thioredoxin-interacting protein (Txnip)

<b>Product Code</b>	CSB-YP803849MO
<b>Relevance</b>	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.
<b>Abbreviation</b>	Txnip
<b>Storage</b>	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q8BG60
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MVMFKKIKSFEVVFNDPEKVIYGSGEKVAGRVIVEVCEVTRVKAVRILACGVAK VLWMQGSQQCKQTLDYLRVEDTLLEEQPTAGENEMVIMRPGNKYEYKFGFE LPQGPLGTSFKGKYGCVDYWVKAFLDRPSQPTQEAKKNFEVMDLVDVNTPLD MAPVSAKKEKKVSCMFIPDGRVSVSARIDRKGFCGDDISIHADFENTCSRIVV PKAAIVARHTYLANGQTKVFTQKLSSVRGNHIISGTCASWRGKSLRVQKIRPSI LGCNILKVEYSLLIYVSVPGSKKVILDPLVIGSRGLSSRTSSMASRTSSEMSEW IDLNIPDTPEAPPCYMDIIPEDHRLESPTTPLLDDVDDSDSPIFMYAPEFQFMP PPTYTEVDPCVLNNNNNNNNNVQ
<b>Research Area</b>	Others
<b>Source</b>	Yeast
<b>Target Names</b>	Txnip
<b>Protein Names</b>	Recommended name: Thioredoxin-interacting protein Alternative name(s): Vitamin D3 up-regulated protein 1
<b>Expression Region</b>	1-397aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged



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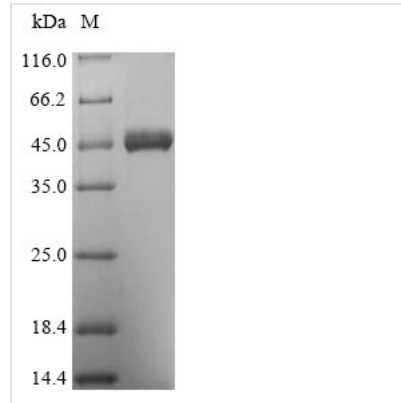
**Mol. Weight** 46.4kDa

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**Protein Length** Full Length

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**Image**



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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**Shelf Life**

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