

## Recombinant Human TXNIP protein, GST-tagged

**Cat. No.** TXNIP-3645H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TXNIP protein(59 - 206 aa), fused to GST tag, was expressed in E. coli.                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 59 - 206 aa                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH. |
| <b>AA Sequence</b>      | GSQQCKQTSEYLRVEDTLLEDQPTGENEMVIMRPGNKYEYKFGFELPQGGLGTSF<br>KGKYGCVDYWVKAFLDRPSQPTQETKKNFVVLDVNTPDLMAPVSAKKEKKVS<br>CMFIPDGRVSVSARIDRKGFCGDEISIHADFENTCS                                                                                                                      |
| <b>Purity</b>           | 95%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                     |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.                                         |
| <b>Reconstitution</b>   | Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.                                                                                                                                                                                                   |

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Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

|                 |                                                                                                                                                                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | TXNIP thioredoxin interacting protein [ Homo sapiens ]                                                                                                                                                                                                                                         |
| Official Symbol | TXNIP                                                                                                                                                                                                                                                                                          |
| Synonyms        | TXNIP; thioredoxin interacting protein; thioredoxin-interacting protein; EST01027; HHCPA78; THIF; thioredoxin binding protein 2; upregulated by 1; 25 dihydroxyvitamin D 3; VDUP1; thioredoxin-binding protein 2; vitamin D3 up-regulated protein 1; upregulated by 1,25-dihydroxyvitamin D-3; |
| Gene ID         | 10628                                                                                                                                                                                                                                                                                          |
| mRNA Refseq     | NM_006472                                                                                                                                                                                                                                                                                      |
| Protein Refseq  | NP_006463                                                                                                                                                                                                                                                                                      |
| MIM             | 606599                                                                                                                                                                                                                                                                                         |
| UniProt ID      | Q9H3M7                                                                                                                                                                                                                                                                                         |

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