

# Recombinant Human Tax1 (Human T-Cell Leukemia Virus Type I) Binding Protein 3, His-tagged

**Cat. No.** TAX1BP3-4742H    **Lot. No.** (See product label)

## SPECIFICATION

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Recombinant human TAX1BP3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>            | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>        | TAX1BP3, also known as Tax1-binding protein 3, contains one PDZ domain, through which most of its interactions with other proteins are made. The PDZ domain of TAX1BP3 interacts with the C-terminus of Rhotekin to facilitate Rho-mediated activation of the FOS serum response element. The PDZ domain also interacts with beta-catenin to inhibit the transcriptional activity of beta-catenin. It has been detected in a variety of cell lines, including HeLa, and is weakly expressed in peripheral blood leukocytes. |
| <b>Form</b>               | Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Weight</b>   | 15.8 kDa (144aa), confirmed by MALDI-TOF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>             | > 95% by SDS - PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Concentration</b>      | 1.0 mg/ml (determined by Bradford assay)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Sequences of amino</b> | MGSSHHHHHH SSGLVPRGSH MSYIPGQPVT AVVQRVEIHK LRQGENLILG                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                                                                                                                                |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>acids</b>               | FSIGGGIDQD PSQNPFSEDK TDKGIYVTRV SEGGAPEIAG LQIGDKIMQV<br>NGWDMTMVTH DQARKRLTKR SEEVVRLVLT RQSLQKAVQQ SMLS                                                                                                                     |
| <b>Storage</b>             | Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.                                                                          |
| <b>Pathways</b>            | Wnt Signaling Pathway NetPath                                                                                                                                                                                                  |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                                                |
| <b>Gene Name</b>           | TAX1BP3 Tax1 (human T-cell leukemia virus type I) binding protein 3 [ Homo sapiens ]                                                                                                                                           |
| <b>Official Symbol</b>     | TAX1BP3                                                                                                                                                                                                                        |
| <b>Synonyms</b>            | TAX1BP3; TIP-1; tax1-binding protein 3; OTTHUMP00000115871; Tax interaction protein 1; glutaminase-interacting protein 3; Tax1 (human T-cell leukemia virus type I) binding protein 3; Glutaminase-interacting protein 3; TIP1 |
| <b>Gene ID</b>             | 30851                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>         | NM_014604                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>      | NP_055419                                                                                                                                                                                                                      |
| <b>UniProt ID</b>          | O14907                                                                                                                                                                                                                         |
| <b>Chromosome Location</b> | 17p13                                                                                                                                                                                                                          |
| <b>Function</b>            | beta-catenin binding; protein C-terminus binding; protein binding                                                                                                                                                              |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA