

## Product datasheet for **AR50239PU-N**

### TIFA / T2BP (1-184, His-tag) Human Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | TIFA / T2BP (1-184, His-tag) human recombinant protein, 0.25 mg  |
| Species:                              | Human  |
| Expression Host:                      | E. coli  |
| Expression cDNA Clone or AA Sequence: | MGSSHHHHHH SSGLVPRGSH MGSHTSFED ADTEETVTCL QMTVYHPGQL QCGIFQSISF NREKLPSSSEV VKFGRNSNIC HYTFQDKQVS RVQFSLQLFK KFNSSVLSFE IKNMSKKTNL IVDSRELGYL NKMDLPYRCM VRFGEYQFLM EKEDGESLEF FETQFILSPR SLLQENNWPP HRPIPEYGTY SLCSSQSSSP TEMDENES |
| Tag:                                  | His-tag  |
| Predicted MW:                         | 24.0 kDa   |
| Concentration:                        | lot specific   |
| Purity:                               | >90% by SDS - PAGE   |
| Buffer:                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1 mM DTT  |
| Preparation:                          | Liquid purified protein  |
| Protein Description:                  | Recombinant human TIFA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.   |
| Storage:                              | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.<br>Avoid repeated freezing and thawing.   |
| Stability:                            | Shelf life: one year from despatch.  |
| RefSeq:                               | <a href="#">NP_443096</a>  |
| Locus ID:                             | 92610  |
| UniProt ID:                           | <a href="#">Q96CG3</a>   |
| Cytogenetics:                         | 4q25   |
| Synonyms:                             | T2BP; T6BP; TIFAA  |



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**Summary:**

This gene encodes an adapter protein involved in adaptive and innate immunity. This protein includes a forkhead-associated (FHA) domain that specifically binds to phosphorylated serine and threonine residues. In response to bacterial infection, the encoded host cell protein undergoes an intermolecular interaction between the FHA domain and a phosphorylated threonine that leads to protein oligomerization and stimulation of the NF-kappa B and other downstream signaling pathways. This protein exhibits reduced expression in hepatocellular carcinoma and may suppress hepatocellular carcinoma progression. This protein may also play a role in the DNA damage response. [provided by RefSeq, Jun 2018]