

## Product Information

### TRAF2, His-tagged, human recombinant, expressed in Sf9 cells

Catalog Number **SRP5146**  
Storage Temperature  $-70^{\circ}\text{C}$

Synonyms: TRAP, TRAP3, MGC, 45012

#### Product Description

TRAF2 (also known as TNF receptor-associated factor 2) belongs to the TNF receptor associated factor (TRAF) protein family that mediates signal transduction from members of the TNF receptor superfamily.<sup>1</sup>

TRAF2 is involved in TNF- $\alpha$  mediated activation of MAPK8/JNK and NF- $\kappa$ B pathway. TRAF2 interacts with TNF receptors and forms a heterodimeric complex with TRAF1. The TRAF1-TRAF2 complex interacts with IAPs to mediate the anti-apoptotic signals from TNF receptors. TRAF2 also interacts with TRADD, a TNF receptor associated apoptotic signal transducer, to ensure the recruitment of IAPs for the direct inhibition of caspase activation.<sup>2</sup>

Recombinant, full-length, human TRAF2 was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag. The gene accession number is NM\_021138. Recombinant protein stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, and 25% glycerol

Molecular mass: ~59 kDa

Purity: 70–95% (SDS-PAGE, see Figure 1)

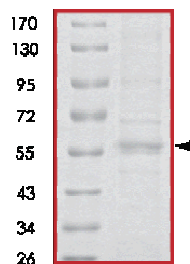
#### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

#### Storage/Stability

The product ships on dry ice and storage at  $-70^{\circ}\text{C}$  is recommended. After opening, aliquot into smaller quantities and store at  $-70^{\circ}\text{C}$ . Avoid repeated handling and multiple freeze/thaw cycles.

**Figure 1.**  
SDS-PAGE Gel of Typical Lot  
70–95% (densitometry)



#### References

1. Wajant, H. et al., The TNF-receptor-associated factor family, scaffold molecules for cytokine receptors, kinases and their regulators. *Cell. Signal.*, **13**(6), 389–400 (2001).
2. Bradley, J.R., and Pober, J.S., Tumor necrosis factor receptor-associated factors (TRAFs). *Oncogene*, **20**(44), 6482–91 (2001).

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