

**TICAM2, 1-235aa, Human, His tag, E.coli**

**Cat.NO.: TP04215**

3th Edition

**Synonyms:**TIR domain-containing adapter molecule 2, TICAM-2, TIRAP3, TIRP, TRAM

**Description:**Toll TIR domain-containing adapter molecule 2, also known as TICAM2, is a member of the Toll/interleukin-1 receptor (TIR) family, a group of proteins that include the Toll-like receptors (TLRs). TICAM-2, a cytoplasmic protein, physically bridges TLR4 and TICAM-1 and functionally transmits LPS-TLR4 signaling to TICAM-1, which in turn activates IRF-3. It is involved in IL1-triggered NF-kappa-B activation, functioning upstream of IRAK1, IRAK2, TRAF6, and IKBKB. Recombinant human TICAM2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

**Molecular Weight:**29.4 kDa (259aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSHMGIGKSKINSCPLSLSWGKRHSVDTSPGYHESDSKKSSEDLSLCNVAEHSN  
TTEGPTGKQEGAQSVEEMFEEEEEEVFLKFFILHAEDDTDEALRVQNLQDDFGIKPGIIFAEMPCGRQHLQNLDD  
AVNGSAWTILLTLENFLRDTWCNFQFYTSLMNSVNRQHKYNSVIPMRPLNNPLPRERTPFALQTINALEEESRGFPT  
QVERIFQESVYKTQQTIIWKETRNMVQRQFIA

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**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.