

**TIRAP, 1-221aa, Human, His tag, E.coli**

**Cat.NO.: TP04227**

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3th Edition

**Synonyms:**toll-interleukin1 receptor (TIR) domain containing adaptor protein, BACTS1, Mal, wyatt

**Description:**TIRAP (toll-interleukin1 receptor (TIR) domain containing adaptor protein) contains 1 TIR domain. This protein is an adapter molecule associated with toll-like receptors. The innate immune system recognizes microbial pathogens through Toll-like receptors (TLRs), which identify pathogen-associated molecular patterns. Adapter protein, TIRAP, is involved in TLR2 and TLR4 signaling pathways in the innate immune response. Recombinant human TIRAP 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 0.2M NaCl, 20% glycerol,2mM DTT

**Molecular Weight:**26.3 kDa (244aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMASSTSLPAPGSRPKKPLGKMADWFRQTLLKKPKKRPNSPESTSSDASQP  
TSQDSPLPPSLSSVTSPSLPPTHASDSGSSRWSKDYDVCVCHSEEDLVAAQDLVSYLEGSTASLRCFLQLRDATP  
GGAIVSELQALSSSHCRVLLITPGFLQDPWCKYQMLQALTEAPGAEGCTIPLLSGLSRAAYPPELRFMYVVDGRG  
PDGGFRQVKEAVMRYLQTLS

**Purity:**> 95% by HPLC

**Concentration:**0.25 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.