

Recombinant human TIRAP protein

Catalog Number: ATGP1675

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-221aa

UniProt No.

P58753

NCBI Accession No.

NP_001034750

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

26.3 kDa (244aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 2mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMASSTSL PAPGSRPKKP LGKMADWFRQ TLLKKPKKRP NSPESTSSDA SQPTSQDSPL
PPSLSSVTSP SLPPTHASDS GSSRWSKDYD VCVCHSEEDL VAAQDLVSYL EGSTASLRFC LQLRDATPGG AIVSELCQAL
SSSHCRVLLI TPGFLQDPWC KYQMLQALTE APGAEGCTIP LLSGLSRAAY PPELRFMYV DGRGPDGGFR QVKEAVMRYL
QTLS

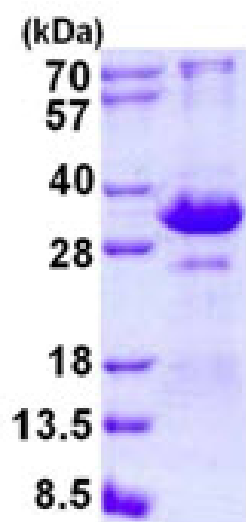
General References

Semaan N., et al. (2008) J. Immunol. 180:3485-3491

Nagpal K., et al. (2009) J. Biol. Chem. 284:25742-25748

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)