

Recombinant human TRAM/TICAM2 protein

Catalog Number: ATGP1402

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-235aa

UniProt No.

Q86XR7

NCBI Accession No.

NP_067681.1

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

29.4 kDa (259aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 85% 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

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.

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Amino acid Sequence

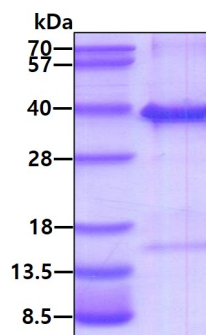
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ERIFQESVYK TQQTIIWKETR NMVQRQFIA

General References

Yamamoto M., et al. (2002) J Immunol. 169:6668-6672.
Oshiumi H., et al. (2003) J Biol Chem. 278:49751-49762.

DATA

SDS-PAGE



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