

Product information

TICAM2, 1-235aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1402

Full name: TIR domain-containing adapter molecule 2

NCBI Accession No.: NP_067681

Synonyms: TICAM-2, TIRAP3, TIRP, TRAM

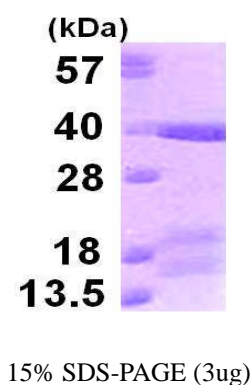
Description: Toll TIR domain-containing adapter molecule 2, also known as TICAM2, is a member of the Toll/interleukin-1 receptor (TIR) family, a group of proteins that include the Toll-like receptors (TLRs). TICAM-2, a cytoplasmic protein, physically bridges TLR4 and TICAM-1 and functionally transmits 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 IKKB. 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)

Purity: > 85% by SDS - PAGE

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



Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSHEMIGKSK KINSCPLSLS WGRHSVDTS PGYHESDSKK SEDLSLCNVA EHSNTTEGPT GKQEGAQSVE
EMFEEEAEEE VFLKFVILHA EDDTDEALRV QNLLQDDFGI KPGIIFAEMP CGRQHLQNL DAVNGSAWTI LLLTENFLRD TWCNFGFYTS
LMNSVNRQHK YNSVIPMRPL NNPLPRERTP FALQTINALE EESRGFPTQV ERIFQESVYK TQQTWKETR NMVQRQFIA

General references:

Yamamoto M., *et al.* (2002) *J Immunol.* 169:6668-6672.

Oshiumi H., *et al.* (2003) *J Biol Chem.* 278:49751-49762.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.