



Recombinant Human TIR domain-containing adapter molecule 2 (TICAM2)

Product Code	CSB-EP774830HU
Relevance	Functions as sorting adapter in LPS-TLR4 signaling to regulate the MYD88-independent pathway during the innate immune response to LPS. Physically bridges TLR4 and TICAM1 and functionally transmits LPS-TLR4 signal to TICAM1; signaling is proposed to occur in early endosomes after endocytosis of TLR4. May also be involved in IL1-triggered NF-kappa-B activation, functioning upstream of IRAK1, IRAK2, TRAF6, and IKBKB; however, reports are controversial. Involved in IL-18 signaling and is proposed to function as a sorting adaptor for MYD88 in IL-18 signaling during adaptive immune response. Isoform 2: Proposed to inhibit LPS-TLR4 signaling at the late endosome by interaction with isoform 1 thereby disrupting the association of isoform 1 with TICAM1. May be involved in TLR4 degradation in late endosomes.
Abbreviation	Recombinant Human TICAM2 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q86XR7
Alias	Putative NF-kappa-B-activating protein 502 TRIF-related adapter molecule Toll-like receptor adaptor protein 3 Toll/interleukin-1 receptor domain-containing protein
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	GIGKSKINSCPLSLSWGKRHSVDTSPGYHESDSKKSIEDLSLCNVAEHSNTTEG PTGKQEGAQSVEEMFEEEEAEVEVFLKFVILHAEDDTDEALRVQNLLQDDFGIK PGIIFAEMPCGRQHLQNLDDAVNGSAWTILLTENFLRDTWCNFFQFYTSLMNS VNRQHKYNSVIPMRPLNPLPRERTPFALQTINALEEESRGGFPTQVERIFQESV YKTQQTIWKETRNMVQRQFIA
Research Area	Immunology
Source	E.coli
Target Names	TICAM2
Protein Names	Recommended name: TIR domain-containing adapter molecule 2 Short name= TICAM-2 Alternative name(s): Putative NF-kappa-B-activating protein 502 TRIF-related adapter molecule Toll-like receptor adaptor protein 3 Toll/interleukin-1 recept
Expression Region	2-235aa



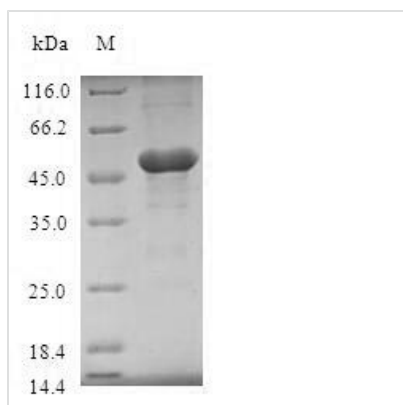
Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Tag Info N-terminal GST-tagged

Mol. Weight 53.8kDa

Protein Length Full Length of Mature Protein

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.