

Product datasheet

Recombinant Human TICAM2 protein ab123160

1 Image

Description	
Product name	Recombinant Human TICAM2 protein
Purity	> 85 % SDS-PAGE. ab123160 was purified using conventional chromatography techniques and is >85% pure by SDS PAGE.
Expression system	Escherichia coli
Accession	<u>Q86XR7</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMGIGKS KINSCPLSLS WGRHSVDTS PGYHESDSKK SEDLSLCNVA EHSNTTEGPT GKQEGAQSVE EMFEEEEEEEE VFLKFVILHA EDDTDEALRV QNLLQDDDFGI KPGIIFAEMP CGRQHLQNLD DAVNGSAWTI LLLTENFLRD TWCNFQFYTS LMNSVNRQHK YNSVIPMRPL NNPLPRERTP FALQTINALE EESRGFPTQV ERIFQESVYK TQQTWKETR NMVQRQFIA
Predicted molecular weight	29 kDa including tags
Amino acids	1 to 235
Tags	His tag N-Terminus

Specifications	
Our Abpromise guarantee covers the use of ab123160 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.02% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function

Functions in LPS-TLR4 signaling to regulate the MYD88-independent pathway during the innate immune response to LPS. Also involved in IL1-triggered NF-kappa-B activation, functioning upstream of IRAK1, IRAK2, TRAF6, and IKBKB. Physically bridges TLR4 and TICAM1 and functionally transmits LPS-TLR4 signal to TICAM1.

Tissue specificity

Expressed in spleen, prostate, testis, uterus, small intestine, colon, peripheral blood leukocytes, heart, placenta, lung, liver, skeletal muscle, and pancreas.

Sequence similarities

Contains 1 TIR domain.

Domain

The TIR domain mediates the interaction with TRAF6.

Post-translational modifications

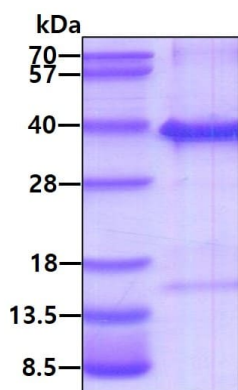
Phosphorylated by PKCE in response to LPS. Phosphorylation is essential for its function. It is depleted from the membrane upon phosphorylation.

Myristoylated. Required for membrane association which is critical for its ability to initiate efficient signaling.

Cellular localization

Cytoplasm. Golgi apparatus. Cell membrane. Localized to the plasma membrane as a result of myristoylation. Phosphorylation on Ser-16 leads to its depletion from the membrane.

Images



SDS-PAGE - Recombinant Human TICAM2 protein
(ab123160)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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