Datasheet for ABIN4370381

ZBP1 Protein (AA 1-149) (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	ZBP1
Protein Characteristics:	AA 1-149
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZBP1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Z-DNA Binding Protein 1/ZBP1 (C-6His)
Sequence:	MAQAPADPGR EGHLEQRILQ VLTEAGSPVK LAQLVKECQA PKRELNQVLY RMKKELKVSL TSPATWCLGG TDPEGEGPAE LALSSPAKRP QQHAATIPET PGPQFSQQRE EDIYRFLKDN GPQRALVIAQ ALGMRTAKDV NRDLYRMKSV DHHHHHH
Characteristics:	Recombinant Human Z-DNA Binding Protein 1/ZBP1 is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Ser149) of Human ZBP1 fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	ZBP1
Alternative Name:	ZBP1 (ZBP1 Products)
Sub Type:	Fusionprotein
Background:	Z-DNA Binding Protein 1 (ZBP1) is a protein with 2 DRADA repeats. ZBP1 is highly expressed in lymphatic tissues including lymph node, leukocytes, tonsil, bone marrow, and spleen. ZBP1 participates in the detection of viral and bacterial DNA from by the host's innate immune system. It plays a role in host defense against tumors and pathogens. ZBP1 Acts as a cytoplasmic DNA sensor which, when activated, induces the recruitment of TBK1 and IRF3 to its C-terminal region and activates the downstream interferon regulatory factor (IRF) and NF-kappa B transcription factors, leading to type-I interferon production. ZBP1-induced NF-kappaB activation probably involves the recruitment of the RHIM containing kinases RIPK1 and RIPK3. Alternative Names: Z-DNA-Binding Protein 1, Tumor Stroma and Activated Macrophage Protein DLM, ZBP1, C20orf183, DLM1
Molecular Weight:	17.5 kDa
UniProt:	Q9H171

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months