

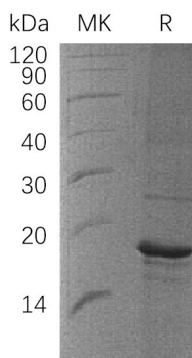
**Product Name: Recombinant Human ZBP1 (C-6His)**  
**Catalog #: PEH1837**



## Summary

<b>Name</b>	Z-DNA-binding protein 1/ZBP1
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Z-DNA Binding Protein 1 is produced by our E.coli expression system and the target gene encoding Met1-Ser149 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	Q9H171
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	17.5 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image



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## Background

<b>Alternative Names</b>	Z-DNA-Binding Protein 1; Tumor Stroma and Activated Macrophage Protein DLM; ZBP1; C20orf183; DLM1
<b>Background</b>	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 hosts 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.

## Note

For Research Use Only , Not for Diagnostic Use.