

CA1033	<b>ZFP42</b>	
	<b>Recombinant Protein</b>	
	<b>Prod. No. S2104-20UG</b>	Orders      866 372-7442 & Support    support@primorigen.com
	<i>For Research Use Only</i> <i>Not intended for use in humans or animals</i>	Web            www.primorigen.com

<b>Source</b>	Human
<b>Tested Applications</b>	SDS-PAGE, WB, ELISA
<b>Sequence</b>	Full length
<b>Epitope tag(s)</b>	8xHis

**Background:** ZFP42, also commonly called REX1, is a member of the krueppel C2H2-type zinc finger protein family of transcription factors. The first 98 amino acids of the protein are unique; the downstream sequence contains four C2H2-type zinc finger regions. ZFP42 is highly expressed in embryonic and induced pluripotent stem cells and is therefore used as a stem cell marker, but it can also be detected in several types of epidermal and epithelial cells. ZFP42 is thought to play a role in stem cell self-renewal and pluripotency.

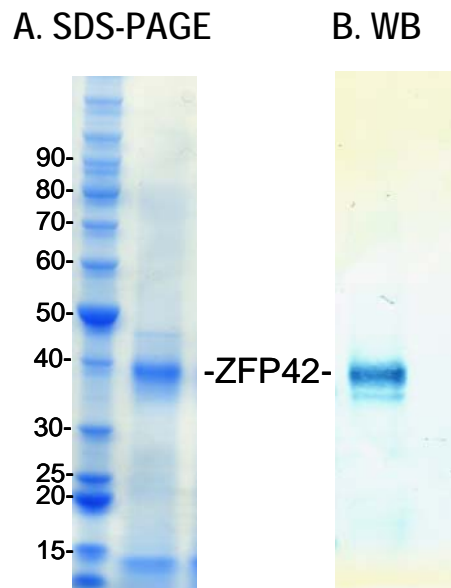
<b>Size:</b> 20 µg
<b>Description:</b> Recombinant full-length human ZFP42 protein
<b>Expression:</b> Recombinant protein was expressed in <i>E. coli</i> and refolded to soluble form
<b>Formulation:</b> 600 µg/ml (determined by Bradford assay) in hs-PBS (1.5 mM KH <sub>2</sub> PO <sub>4</sub> , 8.1 mM Na <sub>2</sub> HPO <sub>4</sub> , 500 mM NaCl, 2.7 mM KCl, pH 7.4) Preservative: none
<b>Purity:</b> >80% by SDS-PAGE
<b>Storage:</b> Store at -80 °C. Avoid multiple freeze-thaws.
<b>Alternative Names:</b> Zinc finger protein 42 homolog; Reduced expression protein 1; REX1; ZNF754
<b>Size:</b> 310 residues; 34.8 kDa
<b>Database Links:</b> RefSeq Protein NP_777560.2 RefSeq mRNA NM_174900.3 UniProt Q96MM3

### Applications:

**(A)** ZFP42 recombinant protein (5 µg) was resolved by SDS-PAGE and stained with Coomassie dye. The apparent molecular weight of ZFP42 by electrophoresis is higher than predicted, as reported in the literature.

**(B)** Western blot detection of ZFP42 (100 ng) using 1 µg/ml anti-ZFP42 monoclonal antibody.

*Note: Representative data are shown (not Lot-specific).*



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