

CA1033	ZFP42	
	Recombinant Protein	
	Prod. No. S2104-20UG	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

Source	Human
Tested Applications	SDS-PAGE, WB, ELISA
Sequence	Full length
Epitope tag(s)	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.

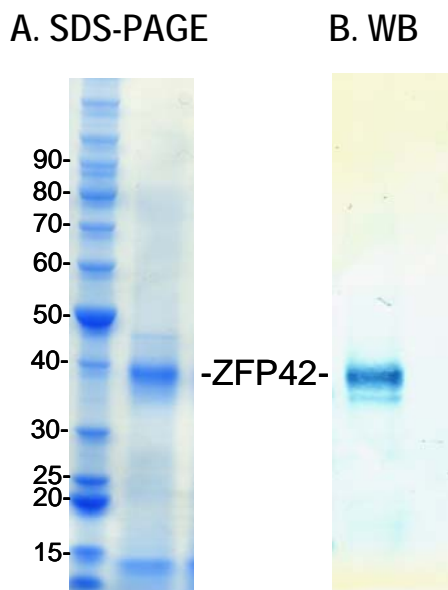
Size: 20 µg
Description: Recombinant full-length human ZFP42 protein
Expression: Recombinant protein was expressed in <i>E. coli</i> and refolded to soluble form
Formulation: 600 µg/ml (determined by Bradford assay) in hs-PBS (1.5 mM KH ₂ PO ₄ , 8.1 mM Na ₂ HPO ₄ , 500 mM NaCl, 2.7 mM KCl, pH 7.4) Preservative: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



Warranty: Each Lot has been verified to meet quality specifications in accordance with testing guidelines. We will replace the product if it does not conform to specifications. Product guaranteed for 6 months from date of purchase if stored as directed. This product must not be resold without written permission from Primorigen Biosciences.

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