

Recombinant Human ZFP42, His-tagged

Cat. No. ZFP42-131H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human ZFP42 was expressed in E. coli and refolded to soluble form.
Species	Human
Source	E.coli
Description	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.
Form	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
Molecular Mass	310 residues; 34.8 kDa
Purity	>80% by SDS-PAGE
Storage	Store at -80 °C. Avoid multiple freeze-thaws.

GENE INFORMATION

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Gene Name	ZFP42 zinc finger protein 42 homolog (mouse) [Homo sapiens]
Official Symbol	ZFP42
Synonyms	ZFP42; zinc finger protein 42 homolog (mouse); zinc finger protein 42; zinc finger protein 42 homolog; REX1; ZNF754; REX-1; hREX-1; zfp-42; zinc finger protein 754; REX1 transcription factor; reduced expression protein 1;
Gene ID	132625
mRNA Refseq	NM_174900
Protein Refseq	NP_777560
MIM	614572
UniProt ID	Q96MM3
Chromosome Location	4q35.2
Function	DNA binding; metal ion binding; sequence-specific DNA binding transcription factor activity; zinc ion binding;

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