

Recombinant Human zinc ribbon domain containing 1, His-tagged

Cat. No. ZNRD1-318H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ZNRD1, 1-126aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-126 a.a.
Description	ZNRD1 is a protein with similarity to the <i>Saccharomyces cerevisiae</i> Rpa12p subunit of RNA polymerase I. Alternate splicing of this gene results in two transcript variants encoding the same protein. Additional splice variants have been described, but their full-length sequences have not been determined. Recombinant human ZNRD1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	16.3 kDa (149aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSMSVMDLA NTCSSFQSDL DFCSDCGSVL PLPGAQDVT CIRCGFNINV RDFEGKVVKT SVVFHQLGTA MPMSVEEGPE CQGPVVDTRC PRCGHEGMAY HTRQMRSAD E GQTVFYTCTN CKFQEKEDS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	ZNRD1 zinc ribbon domain containing 1 [Homo sapiens]
Official Symbol	ZNRD1
Synonyms	ZNRD1; zinc ribbon domain containing 1; zinc ribbon domain containing, 1; DNA-directed RNA polymerase I subunit RPA12; HTEX 6; hZR14; RPA12; tctex 6; zinc ribbon domain-containing protein 1; transcription-associated zinc ribbon protein; RNA polymerase I small specific subunit Rpa12; TEX6; Rpa12; HTEX-6; tctex-6; MGC13376;
Gene ID	30834
mRNA Refseq	NM_014596
Protein Refseq	NP_055411
MIM	607525
UniProt ID	Q9P1U0
Chromosome Location	6p21

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Pathway

Metabolic pathways, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Pyrimidine metabolism, organism-specific biosystem; Pyrimidine metabolism, conserved biosystem; RNA polymerase, organism-specific biosystem; RNA polymerase, conserved biosystem;

Function

DNA-directed RNA polymerase activity; metal ion binding; nucleic acid binding; zinc ion binding;

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