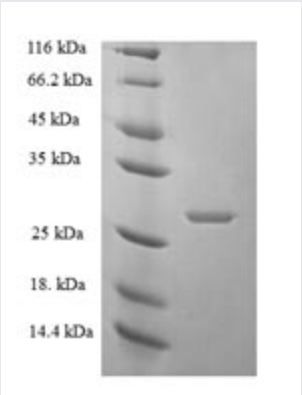
DNA-Directed RNA Polymerase I Subunit RPA12 (ZNRD1) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA-directed RNA polymerase I subunit RPA12 (ZNRD1), Recombinant Protein
Full Product Name	Recombinant Human DNA-directed RNA polymerase I subunit RPA12
Product Gene Name	ZNRD1 recombinant protein
Product Synonym Names	Zinc ribbon domain-containing protein 1
Sequence	MSVMDLANTC SSFQSDLDFC SDCGSVLPLP GAQDTVTCIR CGFNINVRDF EGKVVKTSVV FHQLGTAMPM SVEEGPECQG PVVDRRCPRC GHEGMAYHTR QMRSADEGQT VFYTCTNCKF QEKEDS
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.
Molecular Weight	29.9 kDa
Sequence Positions	1-126aa; Full Length
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	607525
3D Structure	ModBase 3D Structure for Q9P1U0
Product Categories/Family for ZNRD1 recombinant protein	Transcription
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ZNRD1 recombinant protein	DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Component of RNA polymerase I which synthesizes ribosomal RNA precursors.
Product References and Citations for ZNRD1 recombinant protein	A new zinc ribbon gene (ZNRD1)
Other Notes	Small volumes of ZNRD1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ZNRD1 purchase	MBS1348621 is a recombinant protein targeting ZNRD1. Also known as Recombinant Human DNA-directed RNA polymerase I subunit RPA12. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.



SDS-PAGE of ZNRD1 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ZNRD1. It may not necessarily be applicable to this product.

NCBI GI #	525343323
NCBI GeneID	30834
NCBI Accession #	NP_001265714.1
UniProt Primary Accession #	Q9P1U0
UniProt Related Accession #	Q9P1U0
GenBank Nucleotide #	NM_001278785.1
NCBI Official Full Name	DNA-directed RNA polymerase I subunit RPA12
NCBI Official Synonym Full Names	zinc ribbon domain containing 1
NCBI Official Symbol	ZNRD1
NCBI Official Synonym Symbols	TEX6; ZR14; HTEX6; Rpa12; hZR14; HTEX-6; TCTEX6; tctex-6
UniProt Protein Name	DNA-directed RNA polymerase I subunit RPA12
UniProt Synonym Protein Names	Zinc ribbon domain-containing protein 1
Protein Family	DNA-directed RNA polymerase
UniProt Gene Name	ZNRD1
UniProt Synonym Gene Names	RPA12
UniProt Entry Name	RPA12_HUMAN
NCBI Protein Information	DNA-directed RNA polymerase I subunit RPA12
NCBI Summary for ZNRD1	This gene encodes a DNA-directed RNA polymerase I subunit. The encoded protein contains two potential zinc-binding motifs and may play a role in regulation of cell proliferation. The encoded protein may be involved in cancer and human immunodeficiency virus progression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

UniProt Comments for ZNRD1	ZNRD1: DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Component of RNA polymerase I which synthesizes ribosomal RNA precursors. Belongs to the archaeal RpoM/eukaryotic RPA12/RPB9/RPC11 RNA polymerase family. Protein type: Nucleolus; Transcription initiation complex; Transferase Chromosomal Location of Human Ortholog: 6p21.3 Cellular Component: DNA-directed RNA polymerase I complex; nucleoplasm Biological Process: nucleobase, nucleoside, nucleotide and nucleic acid metabolic process; positive regulation of gene expression, epigenetic; RNA elongation from RNA polymerase I promoter; termination of RNA polymerase I transcription; transcription initiation from RNA polymerase I promoter
Research Articles on ZNRD1	**1.** ZNRD1 regulatory SNPs may be susceptibility makers for risk of both chronic HBV infection and HCC.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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