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

## PRODUCT OVERVIEW

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| **Product Name** | DNA-directed RNA polymerase I subunit RPA12 (Znrd1), Recombinant Protein |
| **Full Product Name** | Recombinant Rat DNA-directed RNA polymerase I subunit RPA12 (Znrd1) |
| **Product Gene Name** | Znrd1 recombinant protein |
| **Product Synonym Gene Name** | Znrd1 |
| **Sequence** | MELARPCSNF QSDLDFCPDC GSVLPLPGVQ DTVICPRCGF SIDVRDFGGK VVKTSVVFNK LGTVIPMSVD EGPESQGPVV DRRCSRCGHE GMAYYTRQMR SADEGQTVFY TCINCKFQEK EDS |
| **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 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 13,586 Da |
| **Sequence Positions** | 1-123, full length protein |
| **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. |
| **3D Structure** | ModBase 3D Structure for Q6MFY5 |
| **Species** | Rat |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for Znrd1 recombinant protein** | This gene encodes a protein with similarity to the Saccharomyces cerevisiae 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. |
| **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** | MBS1280767 is a recombinant protein targeting Znrd1. Also known as Recombinant Rat DNA-directed RNA polymerase I subunit RPA12 (Znrd1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Znrd1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 261490677 |
| **NCBI GeneID** | 361784 |
| **NCBI Accession #** | NP_001159772.1 |
| **UniProt Primary Accession #** | Q6MFY5 |

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| **UniProt Related Accession #** | Q6MFY5 |
| **GenBank Nucleotide #** | NM_001166300.1 |
| **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** | HTEX-6; Tctex6 |
| **UniProt Protein Name** | DNA-directed RNA polymerase I subunit RPA12 |
| **UniProt Synonym Protein Names** | Zinc ribbon domain-containing protein 1 |
| **UniProt Gene Name** | Znrd1 |
| **NCBI Protein Information** | DNA-directed RNA polymerase I subunit RPA12 |
| **NCBI Summary for Znrd1** | human homolog inhibits gastric cell proliferation and may be involved in control of gastric cancer development [RGD, Feb 2006] |
| **UniProt Comments for 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. |
| **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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