

# Recombinant Human PARP8 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07734

**Protein Name:** Protein Mono-Adp-Ribosyltransferase Parp8 (PARP8)

**Aliases:** ARTD16; pART16; protein mono-ADP-ribosyltransferase PARP8

**UniProt ID:** Q8N3A8

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q8N3A8/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Full Length (1-854aa)

**Molecular Weight:** 108.8 kDa

**Protein Tag:** N-terminal 6xHis-SUMO-tagged

## 2. Amino Acid Sequence (1-854aa)

MGMCSRQERIQKDIDVVIQKSRAEKDCLFADFRYSdstftFTYVGGPRSVSYSVHV  
SEDYPDNTYVSSSEDEDVLTTEPIPIVIFHRIATELRKTNDINCCLSIKSKLQKENG  
ESRQNSTVEEDSEGDNDSEEFYYGGQVNYDGELHKHPQLEADLSAVREIYGPHAV  
SLREYGAIDDVDIDLHIDVSFLDEEIAVAWEVIRTEPIIVRLHC SLTQYLNGPVPTVDVF  
QISTKERFGLGHQLKKIMQTFVTQQWKQSKEKSNCLHNKLLSEKKVKSPLHLFSTL  
RRSPSYPPP GCGKSKSKLQKSEQDGIKTHKLLRRTCSSTVKTDDVCVTKSHRTFGR  
SLSSDPRAEQAMTAIKSHKLLNRPCPAVKSEELTKSHRLLTRSCSGDPRCEHN  
TNLKPHKLLRSYSSNLRMEELYGLKNHKLLSKSYSSAPKSSKTELFKEPNAEGRRL  
SLTSGLIGILTPSSSSSSQLAPNGAKCIPVRDRGFLVQTIEFAEQRIPVLNEYCVVCD  
EPHVFQNGPMLRPTVCERELCVFAFQTLGVMNEAADEIATGAQVVDLLVSMCRSAL  
ESPRKVVIFEPYPSVVDPNPQMLAFNPRKKNYDRVMKALDSITSIREMTQAPYLEI  
KKQMDKQDPLAHP LLQWVSSNRSHIVKLPVNRQLKFMHTPHQFLLLSSPPAKESN  
FRAAKKLFGSTFAFHGSHIENWHSILRNGLVVASNTRLQLHGAMYGSGIYLSPMSSI  
SFGYSGMNNKQKVS AKDEPASSSKSSNTS QSQKKGQQSQFLQSRNLKCIALCEVIT  
SSDLHKHGEI WVPNTD HVCTRFFFVYEDGQVGDANINTQEGGIHKEILRVIGNQTA  
TG



### 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

### 4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

### 5. Product Description

This product is a recombinant Human PARP8 full length protein (1-854aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. PARP8, also known as ARTD16 or pART16 or protein mono-ADP-ribosyltransferase PARP8, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

### 6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.