

# Recombinant human ANKRD1 protein

Catalog Number: ATGP1718

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-319aa

### UniProt No.

Q15327

### NCBI Accession No.

NP\_055206

### Alternative Names

Ankyrin repeat domain-containing protein 1, ALRP, bA320F15.2, C-193, CARP, CVARP, MCARP

## PRODUCT SPECIFICATION

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### Molecular Weight

38.6 kDa (342aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.5) containing 0.2M NaCl, 50% glycerol, 5mM DTT

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

Ankyrin repeat domain-containing protein 1, also known as ANKRD1, may play an important role in endothelial cell activation. This protein may act as a nuclear transcription factor that negatively regulates the expression of cardiac genes. Recombinant human ANKRD1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMMVLKVE ELVTGKKNGN GEAGEFLPED FRDGEYEA AV TLEKQEDLKT LLAHPVTLGE

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QQWKSEKQRE AELKKKKLEQ RSKLENLEDL EIIIQLKKRK KYRKTkVPV KEPEPEIITE PVDVPTFLKA ALENKLPVVE  
KFLSDKNNPD VCDEYKRTAL HRACLEGLHA IVEKLMEAGA QIEFRDMLES TAIHWASRGG NLDVLKLLL NKGAKISARDK  
LLSTALHVAV RTGHYECAEH LIACEADLNA KDREGDTPLH DAVRLNRYKM IRLIMYGAD LNIKNCAGKT PMDLVLHWQN  
GTKAIFDSL R ENSYKTSRIA TF

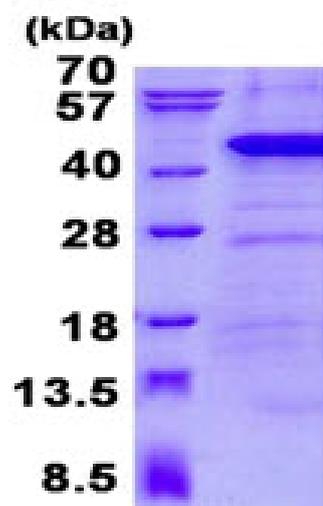
## General References

Chu W., et al. (1995) J. Biol. Chem. J. Biol. Chem. 270:10236-10245

Park J.-H., et al. (2005) Cancer Res. 65:2804-2814

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)