

# Recombinant human MRI/CYREN protein

Catalog Number: ATGP2037

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-157aa

### UniProt No.

Q9BWK5

### NCBI Accession No.

NP\_076938

### Alternative Names

Modulator of retrovirus infection homolog isoform 1, MRI

## PRODUCT SPECIFICATION

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### Molecular Weight

19.2 kDa (180aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl

### 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

MRI, also known as modulator of retrovirus infection homolog isoform 1, characterizes the hamster ortholog and suggests that it may modulate the ability of the proteasome to degrade retroviral cores upon cellular infection. Recombinant human MRI protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMETLQSE TKTRVLP SWL TAQVATKNVA PMKAPKMRM AAVPVAARL

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PATRTVYCMN EAEIVDVALG ILIESRKQEK ACEQPALAGA DNPEHSPPCS VSPHTSSGSS SEEEDSGKQA LAPGLSPSQR  
PGGSSSACSR SPEEEEEEDV LKYVREIFFS

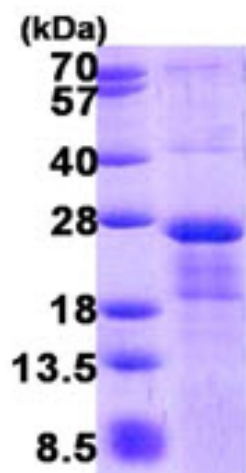
## General References

Ota T. et al. (2004) Nat Genet. 36:40-45

Sjoblom T. et al. (2006) Science. 314:268-274.

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)