

# Recombinant human APOBEC4 protein

Catalog Number: ATGP2392

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-367aa

### UniProt No.

Q8WW27

### NCBI Accession No.

NP\_982279

### Alternative Names

putative C->u-editing enzyme APOBEC-4, C1orf169

## PRODUCT SPECIFICATION

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### Molecular Weight

44 kDa (390aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### 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

The APOBEC4 is a member of the AID/APOBEC family of polynucleotide (deoxy) cytidine deaminases, which convert cytidine to uridine. Other AID/APOBEC family members are involved in Mrna editing, somatic hypermutation and recombination of immunoglobulin genes, and innate immunity to retroviral infection. Recombinant human APOBEC4 protein, fused to His-tag at N-terminus, was expressed in E. coli.

### Amino acid Sequence

MGSSHHHHHHH SGLVPRGSH MGSMEPIYEE YLANHGTIVK PYYWLSFSLD CSNCPYHIRT GEEARVSLTE FCQIFGFPYG

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TTFPQTKHLT FYELKTSSGS LVQKGHASSC TGNYIHPESM LFEMNGYLDS AIYNND SIRH IILYSNNSPC NEANHCCISK  
MYNFLITYPG ITLSIYFSQL YHTEMDFPAS AWNREALRSL ASLWPRVLS PISGGIWHVSV LHSFISGVSG SHVFQPILTG  
RALADRHAY EINAITGVKP YFTDVLLQTK RNPNTKAQEA LESYPLNNAF PGQFFQMPSG QLQPNLPPDL RAPVVFVLVP  
LRDLPPMHMG QNPKNPRNIV RHLNMPQMSF QETKDLGRLP TGRSVEIVEI TEQFASSKEA DEKKKKKGKK

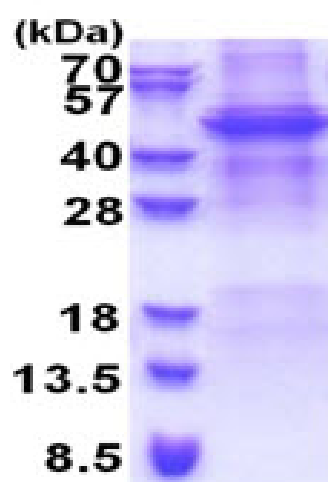
### General References

Prochnow, C., et al. (2009) *Sci. China, C, Life Sci.* 52 (10), 893-902

Rogozin, I.B., et al. (2005) *Cell Cycle* 4 (9), 1281-1285

## DATA

### SDS-PAGE



15% SDS-PAGE (3ug)

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