

Recombinant human APOBEC4 protein

Catalog Number: ATGP2392

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-367aa

UniProt No.

Q8WW27

NCBI Accession No.

NP_982279

Alternative Names

putative C->u-editing enzyme APOBEC-4, Clorf169

PRODUCT SPECIFICATION

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

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

<MGSSHHHHHH SSGLVPRGSH MGS>MEPIYEE YLANHGTVK PYYWLSFSLD CSNCPYHIRT GEARVSLTE FCQIFGFPYG

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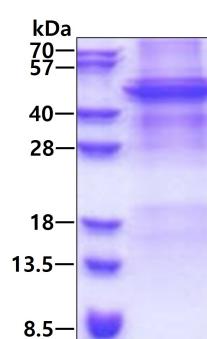
TTFPQTKHLT FYELKTSSGS LVQKGHASSC TGNYIHPESM LFEMNGYLDs AIYNNDsIRH IILYSNNSPC NEANHCCISK
MYNFLITYPG ITLSIYFSQL YHTEMDFPAS AWNREALRSL ASLWPRVVLS PISGGIWHSV LHSFISGVSG SHVFQPILTG
RALADRHNAY EINAITGVKP YFTDVLLQTk RNPNTKAQEA LESYPLNNAF PGQFFQMPSG QLQPNLPPDL RAPVVFVLVP
LRDLPPMHMG QPNKPRNIV RHLNMPQMSF QETKDLGRLP 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



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