

Product information



APOBEC4, 1-367aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2392

Full name: putative C->U-editing enzyme APOBEC-4

NCBI Accession No.: NP_982279

Synonyms: C1orf169

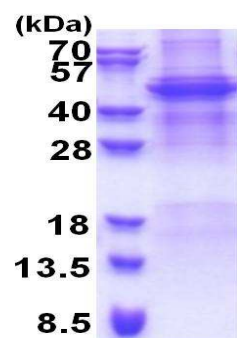
Description: The APOBEC4 is a member of the AID/APOBEC family of polynucleotide (deoxy)cytidine deaminases, which convert cytidine to uridine. Other AID/APOBEC family members are involved in Mrna editing, somatic hypermutation and recombination of immunoglobulin genes, and innate immunity to retroviral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

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA,
10% glycerol

Molecular Weight: 44.0kDa (390aa)

Purity: > 85% by SDS - PAGE

Concentration: 1.0 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSMEPIYEE YLANHGTIVK PYYWLSFSLD CSNCPYHIRT GEEARVSLTE FCQIFGFPYG TTFPQTKHLT
FYELKTSSGS LVQKGHASSC TGNYPHPESM LFEMNGYLDL AIYNNDLSIRH IILYSNNSPC NEANHCCISK MYNFLITYPG ITLSIYFSQL
YHTEMDFPAS AWNREALRSL ASLWPRVVLV PISGGIWHSV LHSFISGVSG SHVFQPIILTG RALADRHNAV EINAITGVKP YFTDVLQTK
RNPNTKAQEA LESYPLNNAF PGQFFQMPGSL QLQPNLPPDL RAPVVFVLPV LRDLPMMHMG QNPNKPRNIV 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

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA

Phone: (888) 523-1246 Fax: (763) 780-2988

Email: info@ibl-america.com Web: www.ibl-america.com