

Recombinant Human apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 4 (putative), His-tagged

Cat. No. APOBEC4-309H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	APOBEC4, 1-367aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-367 a.a.
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. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
Molecular Mass	44.0kDa (390aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEPIYEE YLANHGTIVK PYYWLSFSLD CSNCPYHIRT GEEARVSLTE FCQIFGFPYG TTFPQTKHLT FYELKTSSGS LVQKGHASSC TGNYIHPESM LFEMNGYLDS AIYNND SIRH IILYSNNSPC NEANHCCISK MYNFLTYPG ITLSIYFSQL YHTEMDFPAS AWNREALRSL ASLWPRVVLS PISGGIWHVS LHSFISGVSG SHVFQPILTG RALADRHNAV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EINAITGVKP YFTDVLLQTK RNPNTKAQEA LESYPLNNAF PGQFFQMPSG
 QLQPNLPPDL RAPVVFVLVP LRDLPMMHMG QNPKNPRNIV RHLNMPQMSF
 QETKDLGRLP TGRSVEIVEI TEQFASSKEA DEKKKKKGKK

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1.0 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name APOBEC4 apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 4 (putative) [Homo sapiens]

Official Symbol APOBEC4

Synonyms APOBEC4; apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 4 (putative); C1orf169, chromosome 1 open reading frame 169; putative C->U-editing enzyme APOBEC-4; FLJ25691; MGC26594; RP1 127C7.4; putative C->U-editing enzyme APOBEC-4; apolipoprotein B mRNA-editing enzyme catalytic polypeptide-like 4; C1orf169;

Gene ID 403314

mRNA Refseq NM_203454

Protein Refseq NP_982279

MIM 609908

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UniProt ID	Q8WW27
Chromosome Location	1q25.3
Function	hydrolase activity; hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in cyclic amidines; metal ion binding; zinc ion binding;

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