

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

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

## SPECIFICATION

<b>Product Overview</b>	APOBEC4, 1-367aa, Human, His tag, E.coli
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-367 a.a.
<b>Description</b>	<p>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.</p>
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
<b>Molecular Mass</b>	44.0kDa (390aa)
<b>AA Sequence</b>	<p>MGSSHHHHHH SSGLVPRGSH MGSMEPIYEE YLANHGTIVK PYYWLSFSLD            CSNCPYHIRT GEEARVSLTE FCQIFGFPYG TTFPQTKHLT FYELKTSSGS            LVQKGHASSC TGNVIHPESM LFEMNGYLDS AIYNNDSIRH IILYSNNSPC            NEANHCCISK MYNFLTYPG ITLSIYFSQL YHTEMDFPAS AWNREALRSL            ASLWPRVVLS PISGGIWHSV LHSFISGVSG SHVFQPILTG RALADRHNAY</p>

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

 Email: [info@creative-biomart.com](mailto: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 DEKKKKKGGK

**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](#)

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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



**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;

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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