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# APOBEC4 Human

*Apolipoprotein B MRNA Editing Enzyme, Catalytic Polypeptide-Like 4 Human Recombinant*
*RCP0083*

## Product Overview

| | |
|---|---|
| Name | APOBEC4 Human |

**Description**

Apolipoprotein B MRNA Editing Enzyme, Catalytic Polypeptide-Like 4 Human Recombinant

| | |
|---|---|
| Accession (Primary) | Q8WW27 |

**Synonyms**

Apolipoprotein B MRNA Editing Enzyme, Catalytic Polypeptide-Like 4 (Putative), C1orf169, Apolipoprotein B MRNA-Editing Enzyme Catalytic Polypeptide-Like 4, Chromosome 1 Open Reading Frame 169, Putative C->U-Editing Enzyme APOBEC-4, EC 3.5.4.

**Introduction**

APOBEC4 belongs to the AID/APOBEC family of polynucleotide (deoxy)cytidine deaminases, which convert cytidine to uridine. Further AID/APOBEC family members are implicated in Mrna editing, somatic hypermutation and recombination of immunoglobulin genes, and innate immunity to retroviral infection. Among the diseases associated with APOBEC4 are systemic lupus erythematosus, and lupus erythematosus.

**Source**

Escherichia Coli.

**Physical Appearance**

Sterile Filtered clear solution.

**Formulation**

APOBEC4 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

**Purity**

Greater than 85% as determined by SDS-PAGE.

**Amino acid sequence**

MGSSHHHHHH SSGLVPRGSH MGS MEPIYEE YLANHGTIVK PYYWLSFSLD CSNCPYHIRT GEEARVSLTE FCQIFGFPYG TTFPQTKHLT FYELKTSSGS LVQKGHASSC TGNYIHPESM LFEMNGYLDS AIYNNDSIRH IILYSNNSPC NEANHCCISK MYNFLITYPG ITLSIYFSQL YHTEMDFPAS AWNREALRSL ASLWPRVVLS

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PISGGIWHSV LHSFISGVSG SHVFQPILTG RALADRHNAY EINAITGVKP YFTDVLLQTK RNPNTKAQEA LESYPLNNAF PGQFFQMPSG QLQPNLPPDL RAPVVFVLVP LRDLPPMHMG QNPNKPRNIV RHLNMPQMSF QETKDLGRLP TGRSVEIVEI TEQFASSKEA DEKKKKKGKK

**Precautions**

APOBEC4 Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( Q8WW27 )