
Product Data Sheet

Product Name: APOBEC4 Human
 Cat. No.: GP22745
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEPIYEE YLANHGTIVK PYYWLSFSLD CSNCPYHIRT GEEARVSLTEFCQIFGFPYG TTFPQTKHLT FYELKTSSGS LVQKGHASSC TGNVIHPESM LFEMNGYLDS AIYNND SIRHIILYSNNSPC NEANHCCISK MYNFLITYPG ITLSIYFSQL YHTEMDFPAS AWNREALRSL ASLWPRVVLS PISGGIWHVS LHSFISGVSGSHVFQPILTG RALADRHNAY EINAITGVKP YFTDVLLQTK RNPNTKAQEA LESYPLNNAF PGQFFQMPSGQLQPNLPPDL RAPVVFVLP LRDLPMMHMG QNPNKPRNIV RHLNMPQMSF QETKDLGRLP TGRSVEIVEI TEQFASSKEA DEKKKKKGKK		
Formulation	APOBEC4 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.		

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.

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%

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

HSA or BSA). Please avoid freeze thaw cycles.

Background

APOBEC4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 390 amino acids (1-367aa) and having a molecular mass of 44kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA