



# Human AICDA blocking peptide (CDBP0340)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-AID antibody
<b>Antigen Description</b>	This gene encodes a RNA-editing deaminase that is a member of the cytidine deaminase family. The protein is involved in somatic hypermutation, gene conversion, and class-switch recombination of immunoglobulin genes. Defects in this gene are the cause of autosomal recessive hyper-IgM immunodeficiency syndrome type 2 (HIGM2).
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">AICDA activation-induced cytidine deaminase [ Homo sapiens ]</a>
<b>Official Symbol</b>	AICDA
<b>Synonyms</b>	AICDA; activation-induced cytidine deaminase; AID; ARP2; CDA2; HIGM2; cytidine aminohydrolase; integrated into Burkitts lymphoma cell line Ramos;
<b>Entrez Gene ID</b>	<a href="#">57379</a>

<b>mRNA Refseq</b>	<a href="#">NM_020661</a>
<b>Protein Refseq</b>	<a href="#">NP_065712</a>
<b>UniProt ID</b>	Q9GZX7
<b>Chromosome Location</b>	12p13
<b>Pathway</b>	IL4-mediated signaling events, organism-specific biosystem; Intestinal immune network for IgA production, organism-specific biosystem; Intestinal immune network for IgA production, conserved biosystem; Primary immunodeficiency, organism-specific biosystem; Primary immunodeficiency, conserved biosystem; salvage pathways of pyrimidine deoxyribonucleotides, organism-specific biosystem; salvage pathways of pyrimidine ribonucleotides, organism-specific biosystem;
<b>Function</b>	cytidine deaminase activity; cytidine deaminase activity; hydrolase activity; hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in cyclic amidines; metal ion binding; protein binding; zinc ion binding;