

Recombinant Human AICDA protein

Cat. No. AICDA-1565H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Codon optimized AICDA gene to enhance the expression in E. coli. Amino Acid sequence remains the same as original gene. The protein is purified from E. coli and is biochemically active.
Species	Human
Source	E.coli
Description	AID is the activation-induced cytidine deaminase. This small protein is required for somatic hypermutation during immunoglobulin development. It has been speculated that AID may be involved in deamination of cytosine residues in immunoglobulin gene. Its precise biochemical activity in somatic hypermutation, however, remains unknown.
Form	50 mM TrisHCl (pH7.5), 800 mM NaCl, and 10% glycerol.
Molecular Mass	24 kDa
AA Sequence	MDSLLMNRRKFLYQFKNVRWAKGRRETYLCYVVKRRDSATSFSLDFGYLRNKNKC HVELLFLRYISDWDLDPGRCYRVTWFTSWSPCYDCARHVADFLRGNPNLRLRIFTA RLYFCEDRKAEPGLRRLHRAGVQIAIMTFKDYFYCWNTFVENHERTFKAWEGLHE NSVRLSRQLRRILLPLYEVDDLRFDAFRTLGL
Storage	Stable for 2 years at -70 centigrade from date of shipment. Please aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	AICDA activation-induced cytidine deaminase [Homo sapiens]
Official Symbol	AICDA
Synonyms	AICDA; activation-induced cytidine deaminase; AID; ARP2; CDA2; HIGM2; cytidine aminohydrolase; integrated into Burkitts lymphoma cell line Ramos;
Gene ID	57379
mRNA Refseq	NM_020661
Protein Refseq	NP_065712
MIM	605257
UniProt ID	Q9GZX7

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