

Full-Length

AICDA (Human) Recombinant Protein

Catalog # P9590

Size 20 ug

Specification

Product Description	Human AICDA (Q9GZX7, 1 a.a. - 198 a.a.) full recombinant protein with His tag at N-terminus expressed in <i>Escherichia coli</i> .
Sequence	MGSSHHHHHHSSGLVPRGSHMDSLLMNRKFLYQFKNVRWAKGRRETYLCYVVKRRDSATSFS LDFGYLRNKGCHVELLFLRYISDWLDLPGRCYRVTWFTSWSPCYDCARHVADFLRGPNLSLRI FTARLYFCEDRKAEPGLRRLHRAGVQIAIMTFKDYFCWNTFVENHERTFK AWEGLHENSRLS RQLRRILLPLYEVDDLRFDAFRTLGL
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	26.1
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 85.0% by SDS-PAGE
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In 20mM Tris-HCl pH 8.0 (0.4 M Urea and 10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — AICDA

Entrez GeneID	57379
Protein Accession#	Q9GZX7
Gene Name	AICDA
Gene Alias	AID, ARP2, CDA2, HIGM2
Gene Description	activation-induced cytidine deaminase
Omim ID	605257 605258
Gene Ontology	Hyperlink
Gene Summary	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). [provided by RefSeq]
Other Designations	activation-induced deaminase integrated into Burkitt's lymphoma cell line Ramos

Pathway

- [Primary immunodeficiency](#)

Disease

- [Asthma](#)
- [Bronchial Hyperreactivity](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Hypersensitivity](#)
- [Immunologic Deficiency Syndromes](#)

- [Kidney Failure](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Occupational Diseases](#)
- [Severe Combined Immunodeficiency](#)
- [Stomach Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)