

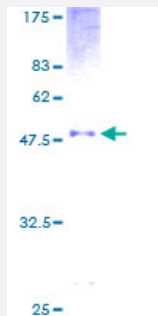
Full-Length

AICDA (Human) Recombinant Protein (P01)

Catalog # H00057379-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human AICDA full-length ORF (AAH06296, 1 a.a. - 198 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDSLLMNRRKFLYQFKNVRWAKGRRETYLCYVVKRRDSATSFSLDFGYLRNKNKGCHVELLFLRYI SDWDLDPGRCYRVTWFTSWSPCYDCARHVADFLRGNPNSLRIFTARLYFCEDRKAEPEGLRRL HRAGVQIAIMTFKDYFYCWNTFVENHERTFKAWEGLHENSVRLSRQLRRILLPLYEVDDLRFDAFRT LGL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	47.52
Interspecies Antigen Sequence	Mouse (92); Rat (93)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — AICDA

Entrez GeneID [57379](#)

GeneBank Accession# [BC006296](#)

Protein Accession# [AAH06296](#)

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](#)