

AICDA recombinant protein

AICDA, 1-198aa, Human, His tag, E Coli (Denatured)

CATALOG # AAA48823	HOST E Coli	APPLICATIONS SDS-Page
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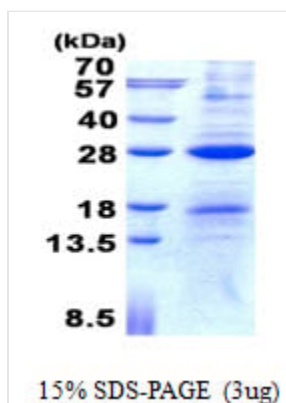
PRODUCT SYNONYMS

AICDA; 1-198aa; Human; His tag; E Coli (Denatured); Activation-induced cytidine deaminase; AID; ARP2; CDA2; HIGM2; AICDA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MDSLLMNRK FLYQFKNVRW AKGRRETYLC YVVKRRDSAT SFSLDFGYLR NKNKGCHVELL FLRYISDWDL DPGRCYRVTW FTSWSPCYDC ARHVADFLRG NPNLSLRIFT ARLYFCEDRK AEPEGLRRLH RAGVQIAIMT FKDYFYCWNT FVENHERTEK AWEGLHENS VLSRQLRRIL LPLYEVDDL R DAFRTLGL
Sequence Length	198
Applicable Applications for AICDA recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for AICDA recombinant protein	AICDA, also known as AID, is involved in somatic hypermutation, gene conversion, and class-switch recombination in B-lymphocytes. This protein is required for several crucial steps of B-cell terminal differentiation necessary for efficient antibody responses. It may also play a role in the epigenetic regulation of gene expression by participating in DNA demethylation. Recombinant human AICDA protein, fused to His-tag at N-terminus, was expressed in E Coli.
Product Categories/Family for AICDA recombinant protein	Epigenomics
References	Guo J.u., et al. (2010) Cell. 145:423-434; Noguchi E., et al. (2001) J. Allergy Clin. 108:382-386

NCBI AND UNIPROT INFORMATION

NCBI GI #	10190700
NCBI GeneID	57379
NCBI Accession #	NP_065712
NCBI GenBank Nucleotide #	NM_020661.3
UniProt Accession #	Q9GZX7; Q6QJ81; Q8NFC1
Molecular Weight	26.1kDa (218aa)
NCBI Official Full Name	single-stranded DNA cytosine deaminase isoform 1
NCBI Official Synonym Full Names	activation induced cytidine deaminase
NCBI Official Symbol	AICDA
NCBI Official Synonym Symbols	AID; ARP2; CDA2; HIGM2; HEL-S-284
NCBI Protein Information	single-stranded DNA cytosine deaminase
UniProt Protein Name	Single-stranded DNA cytosine deaminase
UniProt Gene Name	AICDA
UniProt Synonym Gene Names	AID; AID

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/aicda-recombinant-protein-e-coli-sds-page/48823>