

## 32-2131: AICDA Recombinant Protein

**Alternative Name :** Single-stranded DNA cytosine deaminase,Activation-induced cytidine deaminase,Cytidine aminohydrolase,AICDA,AID,ARP2,CDA2,HIGM2.

### Description

Source : Escherichia Coli. AICDA Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 218 amino acids (1-198) and having a molecular mass of 26.1kDa.AICDA is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Activation-Induced Cytidine Deaminase (AICDA) belongs to the the cytidine deaminase family. AICDA is involved in somatic hypermutation, gene conversion, and class-switch recombination in B-lymphocytes. AICDA is necessary for a number of crucial steps of B-cell terminal differentiation needed for efficient antibody responses. AICDA has a role in the epigenetic regulation of gene expression by participating in DNA demethylation. AICDA is strongly expressed in the lymph nodes and tonsils.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 85.0% as determined by SDS-PAGE.
<b>Content :</b>	The AICDA solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSSLVPRGSH MDSLLMNRK FLYQFKNVRW AKGRRETYLC YVVKRRDSAT SFSLDFGYLR NKNCHVELL FLRYISDWDL DPGRCYRVTW FTSWSPCYDC ARHVADFLRG NPNSLRIFT ARLYFCEDRK AEPEGLRRLH RAGVQIAIMT FKDYFYCWNT FVENHERTFKAWEGLHENS V RLSRQLRRIL LPLYEVDLRL DAFRTLGL.

