

## Activation-Induced Cytidine Deaminase Human Recombinant

<b>Item Number</b>	rAP-0958
<b>Synonyms</b>	Single-stranded DNA cytosine deaminase, Activation-induced cytidine deaminase, Cytidine aminohydro-lase, AICDA, AID, ARP2, CDA2, HIGM2.
<b>Description</b>	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.
<b>Uniprot Accession Number</b>	Q9GZX7
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MDSLLMNRRK FLYQFKNVRW AKGRRETYLC YVVKRRDSAT SFSLD-FGYLR NKNCHVELL FLRYISDWDL DPGRCYRVTW FTSWSPCYDC ARHVADFLRG NPNLSLRIFT ARLYFCEDRK AEPEGLRRLH RAGVQIAIMT FKDYFYCWNT FVENHERTFKAWEGHNSV RLSRQLR-RIL LPLYEVDDL R DAFRTLGL.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile filtered colorless solution. 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>Formulation and Purity</b>	The AICDA solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol. Greater than 85.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**