

## Cytidine Deaminase Human Recombinant

<b>Item Number</b>	rAP-0951
<b>Synonyms</b>	Cytidine deaminase, Cytidine aminohydrolase, CDA, CDD.
<b>Description</b>	CDA Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 166 amino acids (1-146 a.a.) and having a molecular mass of 18.3kDa. The CDA is purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P32320
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MAQKRPACTL KPECVQQLLV CSQEAQKSAY CPYSHFPVGA ALLTQEGRIF KGCNIENACY PLGICAERTA IQKAVSEGYK DFRAIAIASD MQDDFISPCG ACRQVMREFG TNWPVYMTKP DGTIVMTVQ ELLPSSFSGPE DLQKTQ.
<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 CDA solution (0.5mg/ml) contains 20mM Tris-HCl Buffer (pH 8.0), 1mM DTT, 2mM EDTA, 100mM NaCl and 40% Glycerol. Greater than 90.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	Specific activity :> 3.5unit/mg. One unit of activity was defined as the amount required to deaminate 1.0 umole of cytidine per min at pH 7.5 at 250C.
<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**