

## Recombinant Human CDA Protein, His-tagged

CDA-598H Human

Lot. No. (See product label)

### Specification

**Product Overview** Recombinant Human CDA(Ala2~Gln146) fused with His tag at N-terminal was expressed in E. coli.

**Description** This gene encodes an enzyme involved in pyrimidine salvaging. The encoded protein forms a homotetramer that catalyzes the irreversible hydrolytic deamination of cytidine and deoxycytidine to uridine and deoxyuridine, respectively. It is one of several deaminases responsible for maintaining the cellular pyrimidine pool. Mutations in this gene are associated with decreased sensitivity to the cytosine nucleoside analogue cytosine arabinoside used in the treatment of certain childhood leukemias.

**Source** E. coli

**Species** Human

**Tag** His

**Form** PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Molecular Mass** 19.9kDa

**Protein length** Ala2~Gln146

**Endotoxin** <1.0EU per 1ug (determined by the LAL method)

**Purity** >95%

**Applications** Positive Control; Immunogen; SDS-PAGE; WB.  
If bio-activity of the protein is needed, please check active protein

**Stability** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage** Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Reconstitution** Reconstitute in PBS or others

### Gene Information

**Gene Name** [CDA cytidine deaminase \[ Homo sapiens \]](#)

**Official Symbol** [CDA](#)

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**Synonyms** CDA; cytidine deaminase; CDD; cytidine aminohydrolase; small cytidine deaminase; cytosine nucleoside deaminase;

**Gene ID** [978](#)

**mRNA Refseq** [NM\\_001785](#)

**Protein Refseq** [NP\\_001776](#)

**MIM** [123920](#)

**UniProt ID** [P32320](#)

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