

Product Datasheet

Recombinant Human Citidine Deaminase His Protein NBP1-49306-0.1mg

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-49306-0.1mg**Recombinant Human Citidine Deaminase His Protein**

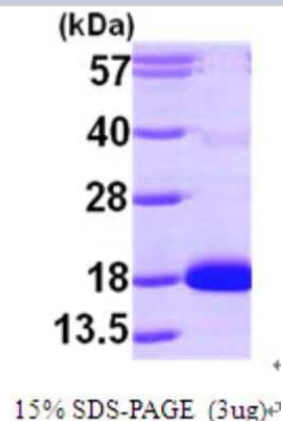
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>90%, by SDS-PAGE
Buffer	20 mM Tris-HCl buffer (pH 8.0), 1 mM DTT, 2 mM EDTA, 100 mM NaCl, 40% Glycerol
Target Molecular Weight	18.3 kDa

Product Description	
Description	A bioactive recombinant protein with a N-Terminal His-tag and corresponding to the amino acids 1-146 of Human Citidine Deaminase Source: <i>E.coli</i> Amino Acid Sequence: MGSSHHHHHH SGLVPRGSH MAQKRPACKL KPECVQQLLV CSQEAQSAV CPYSHFPVGA ALLTQEGRIF KGCNIENACY PLGICAERTA IQKAVSEGYK DFRAIAIASD MQDDFISPCG ACRQVMREFG TNWPVYMTKP DGTYIVMTVQ ELLPSSFGPE DLQKTQ
Gene ID	978
Gene Symbol	CDA
Species	Human
Details of Functionality	Specific activity is > 10,000 pmol/min/ug, and is defined as the amount of required to deaminate 1.0 pmole of cytidine per min at pH 7.5 at 25C.

Product Application Details	
Applications	SDS-Page, Enzyme Activity
Recommended Dilutions	SDS-Page, Enzyme Activity

Images

SDS-Page: Recombinant Human Citidine Deaminase Protein [NBP1-49306] - 15 % SDS-PAGE (3ug)



Procedures

SDS-Page protocol for Citidine Deaminase Protein (NBP1-49306)

SDS-PAGE (NBP1-49306):

1. Prepare 150 ul assay buffer. The final concentrations are 50 mM Tris-HCl (pH 7.5), 100 uM cytidine.

2. Add 50 ul recombinant CDA protein with concentration 0.25 ug in assay buffer.

3. Mix by inversion and records the decrease at A280nm for approximately 5 minutes. <p/>

Cytidine millimolar extinction coefficient: 5.27 (mM-1.cm-1) 100 uM / 50 mM Tris-HCl (pH 7.5)





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Products Related to NBP1-49306-0.1mg

NBP2-39019PEP	Citidine Deaminase Recombinant Protein Antigen
6507-IL-010/CF	IL-4 [Unconjugated]
NBP2-39019	Citidine Deaminase Antibody
NBP1-19371	CD4 Antibody - BSA Free

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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