

AR50719PU-S

Human AICDA / AID (1-198, His-tag) - Purified

Alternate names:

Activation-induced cytidine deaminase, Cytidine aminohydrolase

Quantity:

0.1 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

AICDA, also known as AID, is involved in somatic hypermutation, gene conversion, and class-switch recombination in B-lymphocytes. This protein is required for several crucial steps of B-cell terminal differentiation necessary for efficient antibody responses. It may also play a role in the epigenetic regulation of gene expression by participating in DNA demethylation.

Uniprot ID:

[Q9GZX7](#)

NCBI:

[NP_065712](#)

GeneID:

[57379](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Description:

Recombinant human AICDA protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SGLVPRGSH MDSLLMNRK FLYQFKNVRW AKGRRETYLC YVVKRRDSAT
SFSLDFGYLR NKGCHVELL FLRYISDWDL DPGRCYRVTW FTSWSPCYDC ARHVADFLRG
NPNLRLRIFT ARLYFCEDRK AEPEGLRRLH RAGVQIAIMT FKDYFYCWNT FVENHERTEK
AWEGLHENS SV RLSRQLRRIL LPLYEVDDL R DAFRTLGL

Molecular weight: 26.1 kDa (218aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

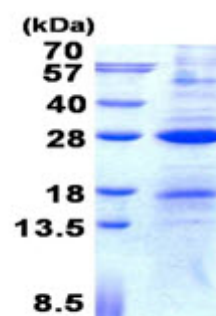
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Guo J.U., et al. (2010) Cell. 145:423-434
Noguchi E., et al. (2001) J. Allergy Clin. 108:382-386

Pictures:



15% SDS-PAGE (3ug)