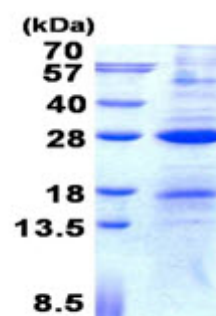


AR50719PU-N

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

Alternate names:	Activation-induced cytidine deaminase, Cytidine aminohydrolase
Quantity:	0.5 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. 145:423-434Noguchi E., et al. (2001) J. Allergy Clin. 108:382-386

Pictures:



15% SDS-PAGE (3ug)