



Recombinant Human Autoimmune regulator (AIRE)

Product Code	CSB-EP001502HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O43918
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MATDAALRRL LRLHRTEIAV AVDSAFPLH ALADHDVVPE DKFQETLHLK EKEGCPQAFH ALLSWLLTQD STAILDFWRV LFKDYNLERY GRLQPILDSF PKDVDLSQPR KGRKPPAVPK ALVPPRLPT KRKASEEARA AAPAALTPRG TASPGSQLKA KPPKKPESSA EQQRLPLGNG IQTMSASVQR AVAMSSGDVP GARGAVEGIL IQQVFESGGS KKCIQVGGEF YTPSKFEDSG SGKNKARSSS GPKPLVRAKG AQGAAPGGGE ARLGQQGSVP APLALPSDPQ LHQKNEDECA VCRDGGELIC CDGCPRAFHL ACLSPPLREI PSGTWRCS LQATVQEVQP RAEPRPQEP PVETPLPPGL RSAGEEVRGP PGEPLAGMDT TLVYKHLPA PSAAPLPLGLD SSALHPLLCV GPEGQQNLAP GARGVCGDG TDVLRCTHCA AAFHWRCHFP AGTSRPGTGL RCRSCSGDVT PAPVEGLVAP SPARLAPGPA KDDTASHEPA LHRDDLESLL SEHTFDGILQ WAIQSMARPA APFPS
Source	E.coli
Target Names	AIRE
Protein Names	Recommended name: Autoimmune regulator Alternative name(s): Autoimmune polyendocrinopathy candidiasis ectodermal dystrophy protein Short name= APECED protein
Expression Region	1-545
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This gene encodes a transcriptional regulator that forms nuclear bodies and interacts with the transcriptional coactivator CBP. At least three splice variant mRNAs products have been described including one which results in a premature stop codon and a transcript predicted to be a candidate for nuclear-mediated decay (NMD). Defects in this gene cause the rare autosomal-recessive systemic autoimmune disease termed autoimmune polyendocrinopathy-candidiasis-ectodermal dystrophy (APECED).
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.