

Recombinant Human AIRE, His-tagged

Cat. No. AIRE-3784H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Autoimmune regulator (AIRE)
Species	Human
Source	E.Coli/Yeast
ProteinLength	545
Description	This gene encodes a transcriptional regulator that forms nuclear bodies and interacts with the transcriptional coactivator CREB binding protein. The encoded protein plays an important role in immunity by regulating the expression of autoantigens and negative selection of autoreactive T-cells in the thymus. Mutations in this gene cause the rare autosomal-recessive systemic autoimmune disease termed autoimmune polyendocrinopathy with candidiasis and ectodermal dystrophy (APECED).
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of AIRE recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	AIRE autoimmune regulator [Homo sapiens]
Official Symbol	AIRE
Synonyms	AIRE; autoimmune regulator; APECED, autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy); APS1; autoimmune polyendocrinopathy candidiasis ectodermal dystrophy; PGA1; autoimmune polyendocrinopathy candidiasis ectodermal dystrophy protein; APSI; AIRE1; APECED;
Gene ID	326
mRNA Refseq	NM_000383
Protein Refseq	NP_000374
MIM	607358
UniProt ID	O43918
Chromosome Location	21q22.3

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Pathway	Primary immunodeficiency, organism-specific biosystem; Primary immunodeficiency, conserved biosystem; Ubiquitin mediated proteolysis, organism-specific biosystem; Ubiquitin mediated proteolysis, conserved biosystem;
Function	DNA binding; chromatin binding; histone binding; identical protein binding; metal ion binding; protein binding; transcription regulatory region DNA binding; translation regulator activity; zinc ion binding;

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