

Recombinant Human AIRE Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AIRE-1696H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

AIRE MS Standard C13 and N15-labeled recombinant protein (NP_000374) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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).

Molecular Mass

57.5 kDa

AA Sequence

MATDAALRLLRLHRTEIAVAVDSAFPLLHALADHDVVPEDKFQETLHLKEKEGCPQ
AFHALLSWLLTQDSTAILDFWRVLFKDYNLERYGRLQPILDSFPKDVLDLSQPRKGRK
PPAVPKALVPPPRLPTKRKASEEARAAAPAALTPRGTASPGSQLKAKPPKKPESSAE
QQRLPLGNGIQTMSASVQRAVAMSSGDVPGARGAVEGILIQQVFESGGSKKCIQVG
GEFYTPSKFEDSGSGKNKARSSSGPKPLVRAKGAQGAAPGGGEARLGQQGSVPA
PLALPSDPQLHQKNEDECAVCRDGGELICCDGCPRAFHLAACLSPPLREIPSGTWRC
SSCLQATVQEVQPRAEPRPQEPVETPLPPGLRSAGEEVRGPPGEPLAGMDTTL

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VYKHLPPSSAAPLPGLDSSALHPLLCVGPPEGQQNLAPGARGVCGDGTDLRCT
HCAA AFHW RCHFPAGTSRPGTGLRCRSCSGDVTPAPVEGV LAPSPARLAPGPAKD
DTASHEPALHRDDLESLLSEHTFDGILQWAIQSMARPAAPFPSTRTRPLEQKLISEED
LAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name AIRE autoimmune regulator [Homo sapiens (human)]

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

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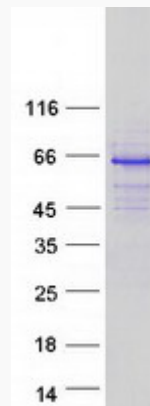
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Protein Refseq NP_000374

MIM 607358

UniProt ID O43918

SDS-PAGE



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