

Recombinant Full Length Human AIRE Protein, C-Flag-tagged

Cat. No. AIRE-1123HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human AIRE Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	57.5 kDa
AA Sequence	MATDAALRRLRLHRTEIAVAVDSAFPLLHALADHDVVPEDKFQETLHLKEKEGCPQ AFHALLSWLLTQD STAILDFWRVLFKDYNLERYGRLQPILDSFPKDVDLSQPRKGRK PPAVPKALVPPRLPTKRKASEEARA AAPAALTPRGTASPGSQLKAKPPKKPESSA EQQRLPLGNGIQTMSASVQRAVAMSSGDVPGARGAVEGIL IQQVFESGGSKKCIQV GGEFYTPSKFEDSGSGKNKARSSSGPKPLVRAKGAQGAAPGGGEARLGQQGSVP APLALPSDPQLHQKNEDECAVCRDGGELICCDGCPRAFHLACLSPPLREIPSGTWR CSSCLQATVQEVQP RAEPRPQEPPVETPLPPGLRSAGEEVRGPPGEPLAGMDTT

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LVYKHLPPPSAAPLPGLDSSALHPLLCV GPEGQQNLAPGARCGVCGDGTDLRC
THCAAFFHWRCHFPAGTSRPGTGLRCRSCSGDVTPAPVEGV LAP
SPARLAPGPAKDDTASHEPALHRDDLESLLSEHTFDGILQWAIQSMARPAAPFPSTR
TRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Primary immunodeficiency, Ubiquitin mediated proteolysis
Full Length	Full L.

GENE INFORMATION

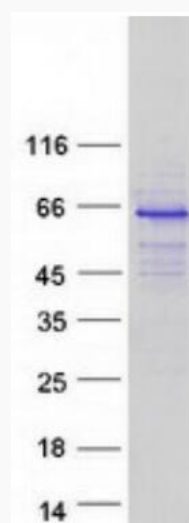
Gene Name	AIRE autoimmune regulator [Homo sapiens (human)]
Official Symbol	AIRE
Synonyms	APS1; APSI; PGA1; AIRE1; APECED

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Gene ID	326
mRNA Refseq	NM_000383.4
Protein Refseq	NP_000374.1
MIM	607358
UniProt ID	O43918



Coomassie blue staining of purified AIRE protein.