Recombinant Human IL4I1 Protein, His-tagged

Cat. No. IL4I1-2320H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL4I1 Protein (Met1-Glu245) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Glu245
Description	This gene encodes a secreted L-amino acid oxidase protein which primarily catabolizes L-phenylalanine and, to a lesser extent, L-arginine. The expression of this gene is induced by the cytokine interleukin 4 in B cells. This gene is also expressed in macrophages and dendritic cells. This protein may play a role immune system escape as it is expressed in tumor-associated macrophages and suppresses T-cell responses. This protein also contains domains thought to be involved in the binding of flavin adenine dinucleotide (FAD) cofactor. Multiple transcript variants encoding different isoforms have been found for this gene. Some transcripts of this gene share a promoter and exons of the 5' UTR with the overlapping NUP62 gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.1 kDa Accurate Molecular Mass: 32 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).

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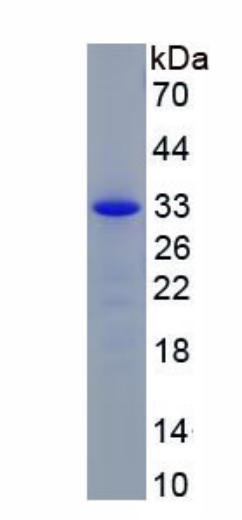
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in ddH2O to a concentration of 0.1-0.8 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	IL4I1 interleukin 4 induced 1 [Homo sapiens (human)]
Official Symbol	IL4I1
Synonyms	IL4I1; interleukin 4 induced 1; L-amino-acid oxidase; FIG1; Fig-1 protein; IL4-induced protein 1; interleukin four induced 1; LAO; LAAO;
Gene ID	259307
mRNA Refseq	NM_001258017
Protein Refseq	NP_001244946

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MIM	609742
UniProt ID	Q96RQ9



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