

## Product datasheet for **TP321972**

### **IL4I1 (NM\_172374) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human interleukin 4 induced 1 (IL4I1), transcript variant 2
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	65.1 kDa
<b>Concentration:</b>	>50 ug/mL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_758962</a>
<b>Locus ID:</b>	259307
<b>UniProt ID:</b>	<a href="#">Q96RQ9</a>
<b>RefSeq Size:</b>	2359
<b>Cytogenetics:</b>	19q13.33
<b>RefSeq ORF:</b>	1767
<b>Synonyms:</b>	FIG1; hIL4I1; LAAO; LAO



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**Summary:**

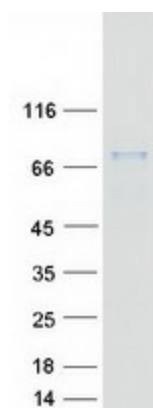
This gene encodes a secreted L-amino acid oxidase protein which primarily catabolizes L-phenylalanine and, to a lesser extent, L-arginine. The expression of this gene is induced by the cytokine interleukin 4 in B cells. This gene is also expressed in macrophages and dendritic cells. This protein may 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. [provided by RefSeq, Jul 2020]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Alanine, aspartate and glutamate metabolism, Cysteine and methionine metabolism, Metabolic pathways, Phenylalanine, tyrosine and tryptophan biosynthesis, Phenylalanine metabolism, Tryptophan metabolism, Tyrosine metabolism, Valine, leucine and isoleucine degradation

**Product images:**

Coomassie blue staining of purified IL4I1 protein (Cat# TP321972). The protein was produced from HEK293T cells transfected with IL4I1 cDNA clone (Cat# [RC221972]) using MegaTran 2.0 (Cat# [TT210002]).