

## Active Recombinant Human IL4I1 Protein, His-Tagged

Cat. No. IL4I1-01H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL4I1 Protein, His-Tagged was expressed in Baculovirus cell line.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	555aa
<b>Description</b>	<p>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.</p>
<b>Form</b>	Liquid
<b>Bio-activity</b>	Specific activity is > 300 pmol/min/ug, and defined as the amount of enzyme that oxidize L-Phenylalanine at pH 7.0 at 25C.
<b>Molecular Mass</b>	61.8kDa

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<b>Endotoxin</b>	< 1 EU per 1ug of protein (determined by LAL method)
<b>Purity</b>	> 90% by SDS-PAGE
<b>Applications</b>	SDS-PAGE, Enzyme Activity
<b>Notes</b>	Note: For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
<b>Storage</b>	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	0.25mg/ml (determined by absorbance at 280nm)
<b>Storage Buffer</b>	Liquid in. 20mM MES (pH5.5) containing 0.1M NaCl, 40% glycerol

## GENE INFORMATION

<b>Gene Name</b>	IL4I1 interleukin 4 induced 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	IL4I1
<b>Synonyms</b>	Interleukin 4 induced 1, FIG1, LAAO, LAO, L-amino-acid oxidase isoform 1, L-amino-acid oxidase, IL4-induced protein 1, Fig-1, IL4I1, hIL4I1
<b>Gene ID</b>	259307
<b>mRNA Refseq</b>	NM_152899.2
<b>Protein Refseq</b>	NP_690863.1

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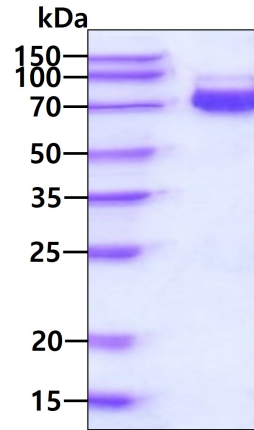
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MIM 609742

UniProt ID Q96RQ9


SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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