

Recombinant Full Length Human IL4I1 Protein, C-Flag-tagged

Cat. No. IL4I1-1563HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human IL4I1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	65.1 kDa
AA Sequence	MPNDDFCPGLTIKAMGAERAPQRQPCTLHLLVLPILLSLVASQDWKAERSQDPFEK CMQDPDYEQLLKV VTWGLNRTLKPQRVIVVGAGVAGLVAAKVLSDAGHKVTILEAD NRIGGRIFTYRDQNMGWIGELGAMRMP SSHRILHKLCQGLGLNLTKFTQYDKNTWT EVHEVKLRNYVVEKVPEKLGALRPQEKGHSPEDIYQMALN QALKDLKALGCRKAM

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KKFERHTLLEYLLGEGNLSRPAVQLLGDVMSSEGGFFYLSFAEALRAHSCLSDRLQ Y
 SRIVGGWDLPRALLSSLSGLVLLNAPVVAMTQGPHDVHVQIETSPPARNLKVLKAD
 VVLLTASGPAVK RITFSPPLPRHMQEALRRLHYVPATKVFLSFRRPFWREEHIEGGH
 SNTDRPSRMIFYPPPREGALLASY TWSDAAAAFAGLSREEALRLALDDVAALHGP
 VVRQLWDGTGVVKRWAEDQHSQGGFVVQPPALWQTEKDD WTPYGRIFYFAGEH
 TAYPHGWVETAVKSALRAAIKINSRKGPASDTASPEGHASDMEGQGHVHGVASSPS
 HDLAKEEGSHPPVQGQLSLQNTTHTRTSHTRTRPLEQKLISEEDLAANDILDYKDDD
 DKV

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	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
Full Length	Full L.

GENE INFORMATION

Gene Name IL4I1 interleukin 4 induced 1 [Homo sapiens (human)]

Official Symbol [IL4I1](#)

Synonyms LAO; FIG1; LAAO; hIL4I1

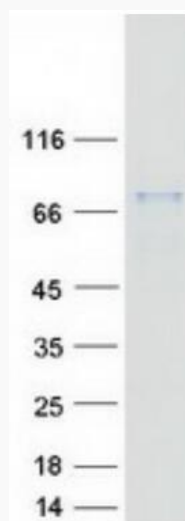
Gene ID [259307](#)

mRNA Refseq [NM_172374.3](#)

Protein Refseq [NP_758962.1](#)

MIM [609742](#)

UniProt ID [Q96RQ9](#)



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Coomassie blue staining of purified IL4I1 protein.

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