

Active Recombinant Human IL4I1 Protein, His-Tagged

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

SPECIFICATION

Product Overview	Recombinant Human IL4I1 Protein, His-Tagged was expressed in Baculovirus cell line.
Species	Human
Source	Insect Cells
ProteinLength	22-567 aa
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	Liquid
Bio-activity	Specific activity is > 300 pmol/min/ug, and defined as the amount of enzyme that oxidize L-Phenylalanine at pH 7.0 at 25C.
Molecular Mass	61.8kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE, Enzyme Activity
Notes	Note: For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	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.
Concentration	0.25mg/ml (determined by absorbance at 280nm)
Storage Buffer	Liquid in. 20mM MES (pH5.5) containing 0.1M NaCl, 40% glycerol

GENE INFORMATION

Gene Name	IL4I1 interleukin 4 induced 1 [Homo sapiens (human)]
Official Symbol	IL4I1
Synonyms	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
Gene ID	259307
mRNA Refseq	NM_152899.2
Protein Refseq	NP_690863.1

 Tel: 1-631-559-9269 1-516-512-3133

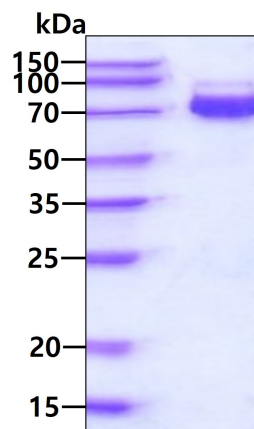
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 609742

UniProt ID Q96RQ9

SDS-PAGE



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

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA