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Product datasheet for TP701092

IL4I1 (NM_152899) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human interleukin 4 induced 1 (IL4I1), Gln22-End, with C-terminal His tag, secretory expressed in HEK293 cells, 50 ug
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC210310, encoding the region Gln22-End of IL4I1
Tag:	C-HIS
Predicted MW:	62kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_690863
Locus ID:	259307
UniProt ID:	Q96RQ9
RefSeq Size:	1798
Cytogenetics:	19q13.33
RefSeq ORF:	1701
Synonyms:	FIG1; hIL4I1; LAAO; LAO

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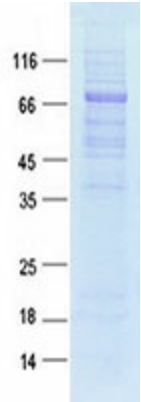
Summary: This gene encodes a secreted L-amino acid oxidase protein which primarily catabolizes L-phenylalanine and, to a lesser extent, L-arginine. The expression of this gene is induced by the cytokine interleukin 4 in B cells. This gene is also expressed in macrophages and dendritic cells. This protein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



Purified recombinant protein IL4I1 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.

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