

Product datasheet for **TP321972M**

IL4I1 (NM_172374) Human Recombinant Protein

Product data:

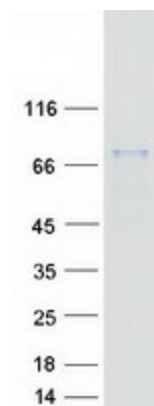
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human interleukin 4 induced 1 (IL4I1), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221972 protein sequence Red =Cloning site Green =Tags(s)
	<p>MPNDDFCPLTIKAMGAERAPQRQPCTLHLLVLPILLSLVASQDWKAERSQDPFEKCMQDPDYEQLLK V VTWGLNRTLKPQRVIVVGAGVAGLVAAKVLSDAGHKVTILEADNRIGGRIFTYRDQNMGWIGELGAMRM P SSHRILHKLCQGLGLNLTKFTQYDKNTWTEVHEVKLRNYVVEKVPEKLGALRPQEKGHSPEDIYQMALN QALKDLKALGCRKAMKKFERHTLLEYLLGEGNLSRPVQQLLDVMSDEGFFYLSFAEALRAHSCSLDRLQ YSRIVGGWDLPRALLSSLSGLVLLNAPVAMTQGPHDVHVQIETSPPARNLKVLKADVLLTASGPAVK RITFSPPLPRHMQEALRRLHYVPATKVFLSFRFPFWREEHIEGGHSNTDRPSRMIFYPPIPPREGALLASY TWSDAFAAFAGLSREEALRLALDDVAALHGPVVRQLWDGTGVVWRWAEDQHSQGGFVQPPALWQTEK DD WTPYGRIFYAGEHTAYPHGWVETAVKSALRAAIKINSRKGPSDASPEGHASDMEGQGHVHGVASSPS HDLAKEEGSHPPVQGQLSLQNTTHTRTSH</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	65.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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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_758962
Locus ID:	259307
UniProt ID:	Q96RQ9
RefSeq Size:	2359
Cytogenetics:	19q13.33
RefSeq ORF:	1767
Synonyms:	FIG1; hIL4I1; LAAO; LAO
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]).