

Datasheet for ABIN7596276

IL4I1 Protein (AA 22-567) (His tag)[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	IL4I1
Protein Characteristics:	AA 22-567
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL4I1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Enzyme Activity Assay (EAA)

Product Details

Sequence:	QDWKAER SQDPFEKCMQ DPDYEQLLKV VTWGLNRTLK PQRVIVVGAG VAGLVAAKVL SDAGHKVTL EADNRIGGRI FTYRDQNTGW IGLGAMRMP SSHRILHKLC QGLGLNLTKF TQYDKNTWTE VHEVKLRNYV VEKVPEKLG Y ALRPQEKGHS PEDIYQMALN QALKDLKALG CRKAMKKFER HTLLEYLLGE GNLSRPAVQL LGDVMSEDF FYLSFAEALR AHSCLSDRLQ YSRIVGGWDL LPRALLSSLS GLVLLNAPVV AMTQGPHDVH VQIETSPPAR NLKVLKADV LLTASGPAVK RITFSPPLPR HMQEALRRLH YVPATKVFLS FRRPFWREEH IEGGHSNTDR PSRMIFYPPP REGALLASY TWSDAFAA GLSREEALRL ALDDVAALHG PVVRQLWDGT GVVKRWAEDQ HSQGGFVVQP PALWQTEKDD WTPYGRIFY AGEHTAYPHG WVETAVKSAL RAAIKINSRK GPASDTASPE GHASDMEGQG HVHGVASSPS HDLAKEEGSH PPVQGQLSLQ NTTHTRTSH
Purity:	> 90% by SDS-PAGE

Product Details

Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 300 pmol/min/ug, and defined as the amount of enzyme that oxidize 3-phenylpyruvate at pH 7.0 at 25C.

Target Details

Target:	IL4I1
Alternative Name:	IL-4I1 (IL4I1 Products)
Background:	IL-4I1, also known as FIG1, is a secreted L-amino-acid oxidase that acts as a key immunoregulator. It is highly expressed in primary metastinal B-cell lymphomas. This protein acts as a negative regulaotr of anti-tumor immunity by mediating Trp degradation via ans indole pyruvate pathway that activates the transcription factor AHR. IL-4I1-mediated Trp catabolism generates I3P, giving rise to indole metabolites and kynurenic acid, which act as ligands for AHR, a ligand-activated transcription factor that plays important roles in immunity and cancer. IL-4I1 also regulates M2 macrophage polarization by inhibiting T-cell activation and has antibacterial properties by inhibiting growth of Gram negative and Gram positive bacteria through the production of NH4+ and H2O2. Recombinant human IL-4I1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	61.8kDa (555aa)
NCBI Accession:	NP_690863

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.