9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

IL4I1 Human

Interleukin-4 Induced-1 Human Recombinant
CYK0453

Product Overview

Name	IL4I1 Human
Description	
Interleukin-4 Induced-1 Human Recombinant	
Accession (Primary)	Q96RQ9
Synonyms	
IL-4I1, IL4I1, IL4-I1, IL4I-1	
Introduction	
IL4I1 is a secreted L-amino acid oxidase protein that mainly catabolizes L-phenylalanine. IL4I1 eexpression is induced by the IL4 in B cells.IL4I1 is expressed in dendritic cells & macrophagesIL4I1 takes part in the immune system since it is expressed in tumor-associated macrophages and suppresses T-cell responses. IL4I1 plays a role in the binding of flavin adenine dinucleotide cofactor.	
Source	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
IL4I1 protein solution (0.25mg/ml) contains 25mM MES pH-5.5, 40% glycerol and 100mM NaCl.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
ADL QDWKAER SQDPFEKCMQ DPDYEQLLKV VTWGLNRTLK PQRVIVVGAG VAGLVAAKVL SDAGHKVTIL EADNRIGGRI FTYRDQNTGW IGELGAMRMP SSHRILHKLC QGLGLNLTKF TQYDKNTWTE VHEVKLRNYV VEKVPEKLGY ALRPQEKGHS PEDIYQMALN QALKDLKALG CRKAMKKFER HTLLEYLLGE GNLSRPAVQL LGDVMSEDGF FYLSFAEALR AHSCLSDRLQ YSRIVGGWDL LPRALLSSLS GLVLLNAPVV AMTQGPHDVH VQIETSPPAR NLKVLKADVV LLTASGPAVK RITFSPPLPR HMQEALRRLH YVPATKVFLS FRRPFWREEH	

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IEGGHSNTDR PSRMIFYPPP REGALLLASY TWSDAAAAFA GLSREEALRL ALDDVAALHG PVVRQLWDGT GVVKRWAEDQ HSQGGFVVQP PALWQTEKDD WTVPYGRIYF AGEHTAYPHG WVETAVKSAL RAAIKINSRK GPASDTASPE GHASDMEGQG HVHGVASSPS HDLAKEEGSH PPVQGQLSLQNTTHTRTSH H HHHHHH

Biological Activity

> 300 pmol/min/ug, defined as the amount of enzyme that oxidize 3-phenylpyruvate pH-7 at 25C.

Precautions

IL4I1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q96RQ9)