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

ICOS Human

Inducible T Cell Costimulator 4 Human Recombinant
RCP1104

Product Overview

Name	ICOS Human
Description	
Inducible T Cell Costimulator 4 Human Recombinant	
Accession (Primary)	Q9Y6W8
Synonyms	
Inducible T Cell Costimulator, Activation-Inducible Lymphocyte Immunomediatory Molecule, Inducible T-Cell Costimulator, AILIM, Inducible T-Cell Co-Stimulator, Inducible Costimulator, CD278 Antigen, CD278, CVID1.	
Introduction	
ICOS (inducible T-cell costimulatory) belongs to the CD28 family of immune-assisted stimulatory receptors. ICOS forms homodimers and takes a significant part in immune responses, cell-cell signaling, as well as regulation of cell proliferation. The interaction of B7-H2 / ICOS takes a vital role in T-cell differentiation, T-B cell interaction in addition to humoral immune response is essential for the formation of reproductive centers as well as the production of cytokine IL-4. Moreover, ICOS is more effective in inducing IL-10 production, a cytokine which is important for the inhibitory function of T regulatory cells. The ICOS-B7RP-1 and B7-1 / B7-2-CD28 / CTLA-4 pathways offer a significant second signal which can regulate the inhibition, activation and fine regulation of T-lymphocyte responses. ICOS stimulates the production of Th1 and Th2 cytokines, however it can also participate in the generation of Th2 cells.	
Source	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
ICOS protein solution (0.25mg/ml) contains 20mM MES buffer (pH 5.5), 40% glycerol, 2mM DTT and 1mM EDTA 0.1M 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 90.0% as determined by SDS-PAGE.	

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Amino acid sequence

ADP EINGSAN YEMFIFHNGG VQILCKYPDI VQQFKMQLLK GGQILCDLTK TKGSGNTVSI KSLKFCHSQL SNNSVSFFLY NLDHSHANYY FCNLSIFDPP PFKVTLTGGY LHIYESQLCC QLK LEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTPPVLDSD GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH

Precautions

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

Target Information: (Q9Y6W8)