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

TECK Human, His

Thymus Expressed Chemokine (CCL25) Human Recombinant, His Tag
CHK0175

Product Overview

Name	TECK Human, His

Description

Thymus Expressed Chemokine (CCL25) Human Recombinant, His Tag

Accession (Primary)	O15444

Synonyms

C-C motif chemokine 25, Small-inducible cytokine A25, Thymus-expressed chemokine, Chemokine TECK, CCL25, SCYA25, TECK, Ckb15, MGC150327.

Introduction

CCL25 (Teck) is a novel CC chemokine, which is distantly related (about 20% amino acid sequence identity) to other CC chemokines. The mouse CCL25 cDNA has also been cloned and shown to encode a 144 a.a. protein, which exhibits 49% a.a. sequence identity to the human CCL25. Human and mouse CCL25 expression was shown to be greatly restricted to the thymus and small intestine. While dendritic cells are identified as the source of CCL25 production in the thymus, dendritic cells derived from bone marrow do not express CCL25. CCL25 signals through the CCR9 receptor. Teck is possibly involved in T-cell development. Recombinant human and mouse Teck were shown to be chemotactic for activated macrophages, dendritic cells and thymocytes. The recombinant protein demonstrates chemotactic activity on thymocytes, macrophages, THP-1 cells, and dendritic cells but is inactive on peripheral blood lymphocytes and neutrophils.

Source

Escherichia Coli.

Physical Appearance

Filtered colorless solution.

Formulation

TECK protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.

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

MGSSHHHHHH SSGLVPRGSH MGSHM QGVFE DCCLAYHYPI GWAVLRRAWT YRIQEVSGSC NLPAAIFYLP KRHRKVCGNP KSREVQRAMK LLDARNKVFA KLHHNTQTFQ AGPHAVKKLS SGNSKLSSSK FSNPISSSKR NVSLLISANS GL.

Precautions

TECK Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O15444)