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**Product Data Sheet**


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Product Name: TECK Human, His  
 Cat. No.: GP21226  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	C-C motif chemokine 25; Small-inducible cytokine A25; Thymus-expressed chemokine; Chemokine TECK; CCL25; SCYA25; TECK; Ckb15; MGC150327.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHMQGVFE DCCLAYHYPI GWAVLRRRAWT YRIQEVSGSC NLPAAIFYLP KRHRKVCGNP KSREVQRAMK LLDARNKVFA KLHHNTQTFQ AGPHAVKKLS SGNSKLSSSK FSNPISSSKR NVSLLISANS GL.		
Formulation	TECK protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.		

**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.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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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.

### Background

TECK Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 152 amino acids (24-150 a.a.) and having a molecular mass of 16.8kDa. TECK is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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