
Product Data Sheet

Product Name: TACI Human
 Cat. No.: GP20932
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	CD267; CVID; CVID2; TACI; TNFRSF14B; Tumor necrosis factor receptor superfamily; member 13B; Tumor necrosis factor receptor superfamily; member 13B; isoform CRA_a; TNFRSF13B.		
Amino Acid Sequence	MSGLGRSRRG GRSRVDQEER FPQGLWTGVA MRSCPEEQYW DPLLGTCMSC KTICNHQSQR TCAAFCRSLS CRKEQGKFYD HLLRDCISCA SICGQHPKQC AYFCENKLRV PVNLPPELRR QRSGEVENNS DNSGRYQGLE HRGSEASPAL PGLKLSADQV		
Solubility	It is recommended to reconstitute the lyophilized TACI in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	TACI protein was lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.		

Introduction

TNFRSF13B (TACI) is a transmembrane receptor protein found predominantly on the surface of B cells (a significant part of the immune system). TACI was at first discovered owing to its ability to interact with calcium-modulator and cyclophilin ligand (CAML). Later on, it was found that TACI plays a key role in humoral immunity by interacting with two members of the TNF family. Also, TACI controls T cell-independent B cell antibody responses, isotype switching, and B cell homeostasis.

Biological Activity

Fully biologically active when compared to standard. The biological activity is determined by its ability to block human BAFF induced T2B cell survival using a concentration range of 1.0-3.0 µg/ml corresponding to a specific activity of 334-1000

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

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IU/mg.

Stability

Lyophilized TACI although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution TACI should be stored at 4°C between 2-7 days and for future use below -18°C . For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Background

TACI Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 160 amino acids and having a molecular mass of 18.0kDa.

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