9051 Mira Mesa Blvd, #910094
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TACI Human

Tumor Necrosis Factor Receptor 13B Human Recombinant
CYK0538

Product Overview

Name	TACI Human
Description	
Tumor Necrosis Factor Receptor 13B Human Recombinant	
Accession (Primary)	Q4ACX1
Synonyms	
CD267, CVID, CVID2, TACI, TNFRSF14B, Tumor necrosis factor receptor superfamily, member 13B, Tumor necrosis factor receptor superfamily, member 13B, isoform CRA_a, TNFRSF13B.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
TACI protein was lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.	
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). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
MSGLGRSRRG GRSRVDQEER FPQGLWTGVA MRSCPEEQYW DPLLGTCMSC KTICNHQSQR TCAAFCRSLS CRKEQGKFYD HLLRDCISCA SICGQHPKQC AYFCENKLRS PVNLPPELRR QRSGEVENNS DNSGRYQGLE	

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HRGSEASPAL PGLKLSADQV

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 IU/mg.

Solubility

It is recommended to reconstitute the lyophilized TACI in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

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

Target Information: (Q4ACX1)