

Recombinant Human TNFRSF13B, Fc-tagged

Cat. No. TNFRSF13B-1683H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Mammalian Cells
Description	Transmembrane activator & calcium modulator and cyclophilin ligand (CAML) interactor (TACI) is lymphocyte specific member of the tumor necrosis factor-receptor superfamily and is expressed in B-lymphocytes and may act to regulate humoral immunity. TACI also serves as a receptor for B-cell activating factor of the TNF family (BAFF) and as a proliferation-inducing ligand (APRIL).
Molecular Weight	The recombinant mature human TACI/Fc is a disulfide-linked homodimeric protein. Based on N-terminal sequencing, the recombinant protein has Ser 2 of human TACI at the amino-terminus. The reduced human TACI/Fc monomer has a calculated molecular mass of 45.2 kDa. In SDS-PAGE, the recombinant TACI/Fc preparation showed an approximately 51 kDa band and an approximately 40 kDa doublet. The presence of multiple bands in the preparation is likely the result of heterogenous glycosylation.
State Of Matter	Lyophilized.
Purity	>90% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.

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Biological Activity The biological activity of Human Transmembrane Activator and CAML Interactor is determined by its ability to block human BAFF induced T2B cell survival assay using a concentration range of 1.0-3.0 ug/ml.

Storage And Stability This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name TNFRSF13B tumor necrosis factor receptor superfamily, member 13B [Homo sapiens]

Synonyms TNFRSF13B; tumor necrosis factor receptor superfamily, member 13B; CVID; TACI; CD267; FLJ39942; MGC39952; MGC133214; TNFRSF14B; Tumor necrosis factor receptor superfamily member 13B; Transmembrane activator and CAML interactor; OTTHUMP00000065442; CD267 antigen; tumor necrosis factor receptor 13B

Gene ID 23495

mRNA Refseq NM_012452

Protein Refseq NP_036584

MIM 604907

UniProt ID O14836

Chromosome 17p11.2

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Location

Pathway

Cytokine-cytokine receptor interaction; Primary immunodeficiency

Function

protein binding; receptor activity

PDB rendering based
on 1xu1.



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