

Human TACI / TNFRSF13B Protein, Fc Tag (HPLC verified)

Catalog # TAI-H5254



BIOSYSTEMS
Acro

Synonyms

CD267, TACI, TNFRSF13B

Source

Human TACI Protein, Fc Tag (TAI-H5254) is expressed from human 293 cells (HEK293). It contains AA Ser 2 - Thr 166 (Accession # [O14836-1](#)).

Predicted N-terminus: Ser 2

Molecular Characterization

TACI(Ser 2 - Thr 166)	Fc(Pro 100 - Lys 330)
O14836-1	P01857-1

This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 45.0 kDa. The protein migrates as 45-65 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-HPLC.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Shipping and Storage

This product is shipped at ambient temperature.

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

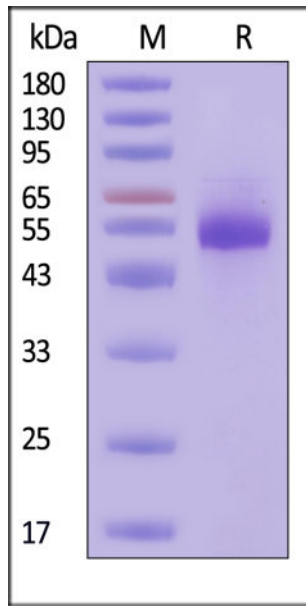
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

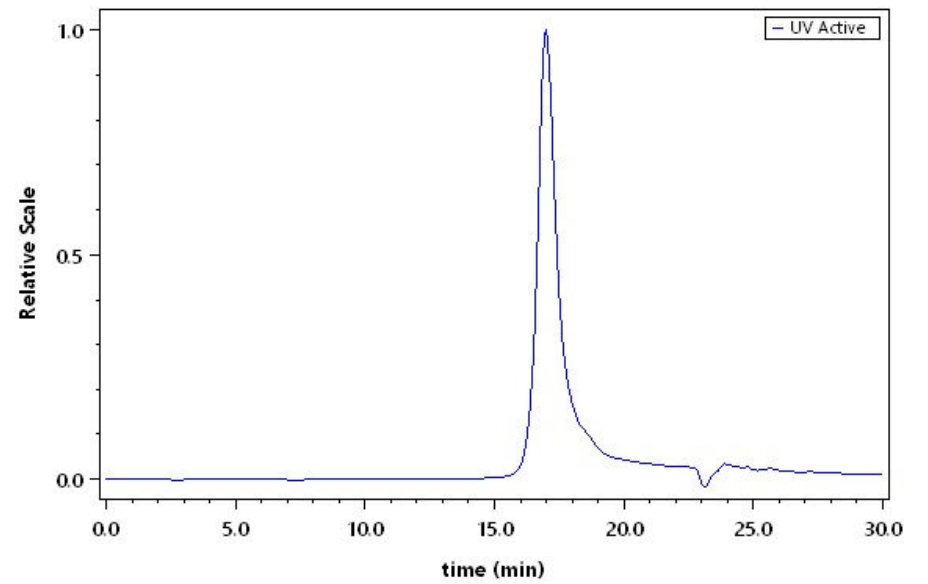
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



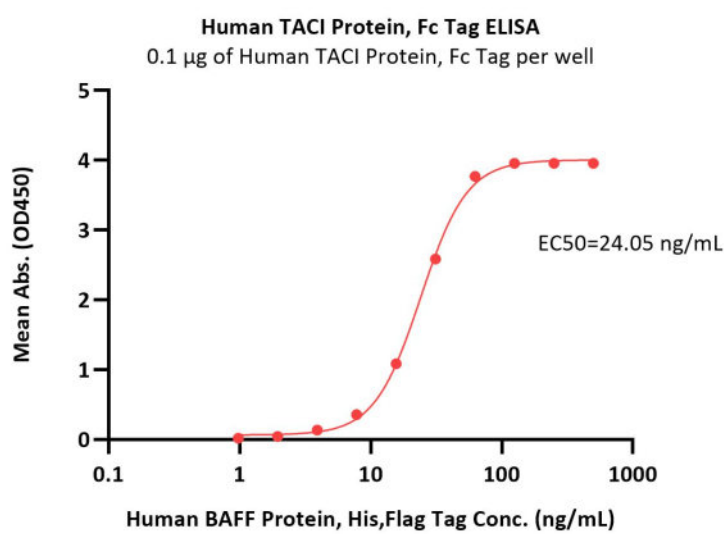
Human TACI Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-HPLC



The purity of Human TACI Protein, Fc Tag (Cat. No. TAI-H5254) was greater than 90% as determined by SEC-HPLC.

Bioactivity-ELISA



Immobilized Human TACI Protein, Fc Tag (Cat. No. TAI-H5254) at 1 µg/mL (100 µL/well) can bind Human BAFF Protein, His,Flag Tag (Cat. No. BAF-H52D4) with a linear range of 1-63 ng/mL (QC tested).

Background

Transmembrane activator and CAML interactor (TACI), also known as tumor necrosis factor receptor superfamily member 13B (TNFRSF13B). It was originally discovered because of its ability to interact with calcium-modulator and cyclophilin ligand (CAML). TACI was later found to play a crucial role in humoral immunity by interacting with two members of the TNF family: BAFF and APRIL. The present study demonstrated that, in NSCLC, a proliferation-inducing ligand (APRIL), B-cell maturation antigen (BCMA) and transmembrane activator and CAML interactor (TACI) proteins are abnormally expressed by immunohistochemistry, reverse transcription-quantitative polymerase chain reaction and western blotting. In addition, the expression of APRIL, BCMA and TACI were observed to be involved in extracellular signal-regulated kinase (ERK)1/2 activation in A549 cells.

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