

Bioactive

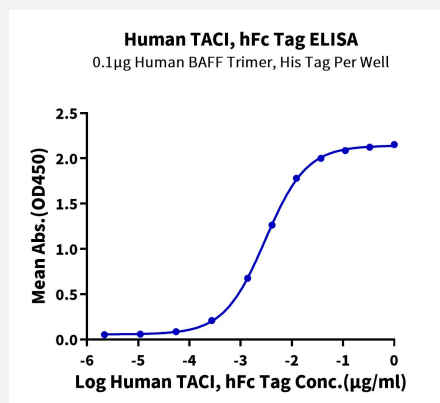
HuPro®

TNFRSF13B (Human) Recombinant Protein

Catalog # P9810

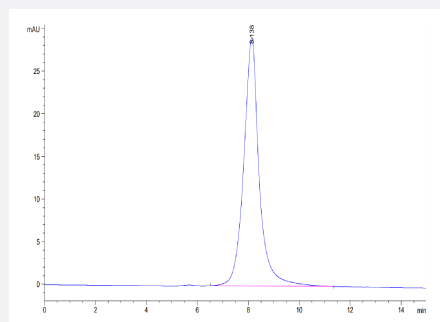
Size 100 ug

Applications



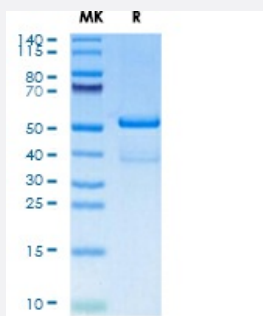
Enzyme-linked Immunoabsorbent Assay

Immobilized Human BAFF Trimer, His Tag at 1 ug/mL (100 uL/well) on the plate. Dose response curve for Human TACI, hFc Tag with the EC50 of 3.0 ng/mL determined by ELISA.



SEC-HPLC

The purity of Human TACI is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human TACI on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description	Human TNFRSF13B (O14836-1, Ser2-Thr166) partial recombinant protein with hFc tag at C-terminus expressed in HEK293 cells.
Sequence	Ser2-Thr166
Host	Human
Theoretical MW (kDa)	45.3
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC ₅₀ was 3.0 ng/mL, measured by ELISA at 1 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human TACI is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human TACI on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -81°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Enzyme-linked Immunoabsorbent Assay

Immobilized Human BAFF Trimer, His Tag at 1 ug/mL (100 uL/well) on the plate. Dose response curve for Human TACI, hFc Tag with the EC₅₀ of 3.0 ng/mL determined by ELISA.

- Functional Study

- SDS-PAGE

Gene Info — TNFRSF13B

Entrez GeneID	23495
Protein Accession#	O14836-1
Gene Name	TNFRSF13B
Gene Alias	CD267, CVID, FLJ39942, MGC133214, MGC39952, TACI, TNFRSF14B
Gene Description	tumor necrosis factor receptor superfamily, member 13B
Omim ID	240500 604907 609529
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a lymphocyte-specific member of the tumor necrosis factor (TNF) receptor superfamily. It interacts with calcium-modulator and cyclophilin ligand (CAML). The protein induces activation of the transcription factors NFAT, AP1, and NF-kappa-B and plays a crucial role in humoral immunity by interacting with a TNF ligand. This gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq]
Other Designations	OTTHUMP00000065442 transmembrane activator and CAML interactor tumor necrosis factor receptor 13B

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Primary immunodeficiency](#)

Disease

- [Abnormalities](#)
- [Agammaglobulinemia](#)
- [Chromosome Deletion](#)
- [Common Variable Immunodeficiency](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)

- [IgA Deficiency](#)
- [Intracranial Aneurysm](#)
- [Lupus Erythematosus](#)
- [Lymphoproliferative Disorders](#)
- [Mental Retardation](#)
- [Metabolic Syndrome X](#)
- [Multiple Myeloma](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Renal Insufficiency](#)
- [Respiratory Tract Infections](#)
- [Syndrome](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)