

TACI Recombinant Protein | TNFRSF13B recombinant protein

TACI Protein, Human, Recombinant (ECD, hFc Tag)

CATALOG #
AAA257450

HOST
HEK293 Cells

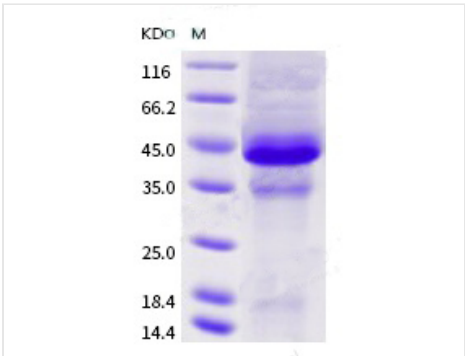
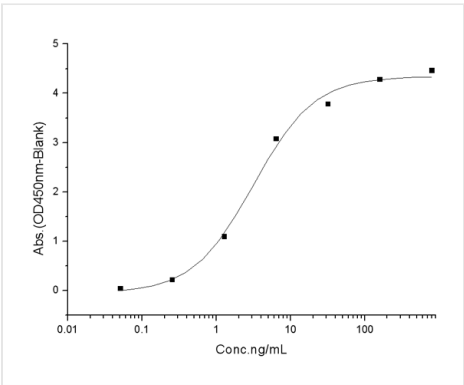
PRODUCT SYNONYMS

TACI; TACI Protein; Human; Recombinant (ECD; hFc Tag); Human TACI/TNFRSF13B Protein (ECD; Fc Tag); tumor necrosis factor receptor superfamily; member 13B; CD267 Protein; CVID Protein; CVID2 Protein; IGAD2 Protein; RYZN Protein; TNFRSF14B Protein; TNFRSF13B recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>90 % as determined by SDS-PAGE.
Form/Format	Lyophilized from sterile PBS, pH7.4 Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Sequence Positions	403aa
Sequence	Ser2-Thr16 6
Species	Human
Tag	hFc
Endotoxin	<1.0EU per ug protein as determined by the LAL method
Predicted N Terminal	Ser2
Protein Construction	JA DNA sequence encoding the human TNFRSF13B (NP_036584.1) (Ser2-Thr166) was expressed with the Fc region of human IgG1 at the C-terminus
Activity	Measured by its binding ability in a functional ELISA. Immobilized human S3-TNFRSF13B-Fc at 2ug/ml (100ul/well) can bind human Fc-BAFF, Biotinylated. The EC50 of human BAFF, Biotinylated is 1.5-5.5ng/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Shipping: They are shipped out with blue ice pack

IMAGES



Application Data

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Measured by its binding ability in a functional ELISA. Immobilized human S3-TNFRSF13B-Fc at 2 ug/ml (100 ul/well) can bind human Fc-BAFF, Biotinylated, the EC50 of human BAFF, Biotinylated is 1.5-5.5 ng/mL.

ADDITIONAL INFORMATION

Related Product Information for TNFRSF13B recombinant protein	Tumor necrosis factor receptor superfamily, member 13B (TNFRSF13B) also known as Transmembrane activator and CAML interactor (TACI) and CD267 antigen, is a member of the tumor necrosis factor receptor superfamily. TNFRSF13B is a trimeric cytokine receptor that binds tumor necrosis factors (TNF). The receptor cooperates with an adaptor protein which is important in determining the outcome of the response. Members of the TNF receptor superfamily (TNFRSF) have crucial roles in both innate and adaptive immunity and in cellular apoptosis process. Apoptosis is a cell suicide mechanism that enables metazoans to control cell number in tissues and to eliminate individual cells that threaten the animal's survival. Certain cells have unique sensors, termed death receptors or tumour necrosis factor (TNFR), on their surface. Tumour necrosis factors (TNFR) detect the presence of extracellular death signals and, in response, they rapidly ignite the cell's intrinsic apoptosis machinery. TACI/TNFRSF13B/CD267 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.
References	Salzer U, et al. (2005) Mutations in TNFRSF13B encoding TACI are associated with common variable immunodeficiency in humans. Nat Genet. 37(8): 820-8.Salzer U, et al. (2009) Relevance of biallelic versus monoallelic TNFRSF13B mutations in distinguishing disease-causing from risk-increasing TNFRSF13B variants in antibody deficiency syndromes. Blood. 113(9): 1967-76.Mohammadi J, et al. (2009) Novel mutations in TACI (TNFRSF13B) causing common variable immunodeficiency. J Clin Immunol. 29(6): 777-85.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912694
NCBI GeneID	23495
NCBI Accession #	NP_036584.1
NCBI GenBank Nucleotide #	NM_012452.2
UniProt Accession #	Q4ACX1; O14836
Molecular Weight	31,816 Da
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 13B
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 13B
NCBI Official Symbol	TNFRSF13B
NCBI Official Synonym Symbols	CVID; RYZN; TACI; CD267; CVID2; IGAD2; TNFRSF14B
NCBI Protein Information	tumor necrosis factor receptor superfamily member 13B; transmembrane activator and CAML interactor; tumor necrosis factor receptor 13B

UniProt Protein Name	TACI
UniProt Gene Name	TACI
UniProt Entry Name	Q4ACX1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/taci-recombinant-protein-hek293-cells/257450>