

BAFFR/TNFRSF13C Active Protein | TNFRSF13C active protein

BAFFR/TNFRSF13C Protein, Human, Recombinant (hFc & AVI Tag), Biotinylated

CATALOG #
AAA258045

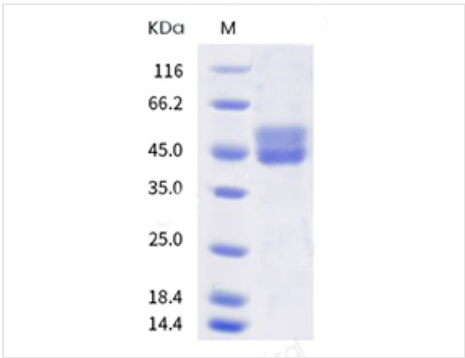
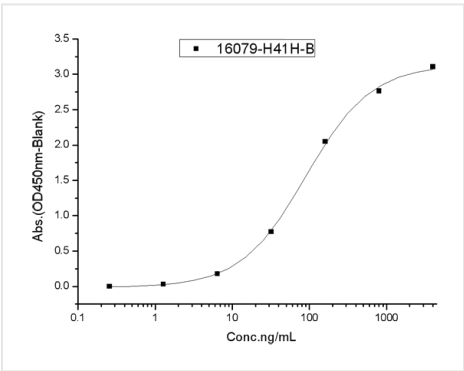
HOST
HEK293 Cells

PRODUCT SYNONYMS

BAFFR/TNFRSF13C; BAFFR/TNFRSF13C Protein; Human; Recombinant (hFc & AVI Tag); Biotinylated; Human BAFFR/TNFRSF13C (Fc & AVI Tag); BAFF-R Protein; BAFFR Protein; BROMIX Protein; CD268 Protein; CVID4 Protein; prolixin Protein; tumor necrosis factor receptor superfamily; member 13C; TNFRSF13C active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>95% 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. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Arg2-Ala71
Species	Human
Endotoxin	<1.0EU per ug protein as determined by the LAL method.
Predicted N Terminal	Ser
Tag	C-human IgG1-Fc & AVI
Protein Construction	A DNA sequence encoding the human TNFRSF13C (NP_443177.1)(Arg2-Ala71) was expressed with a c-terminal AVI tagged Fc region of human IgG1 at the C-terminus (Fc-AVI). The expressed protein was biotinylated in vivo by the Biotin-Protein ligase (BirA enzyme) which is co-expressed.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Activity	Immobilized Human BAFF/BLyS hFc at 2ug/mL (100uL/well) can bind Human BAFFR/TNFRSF13C hFc & AVI, Biotinylated. The EC50 of Human BAFFR/TNFRSF13C hFc & AVI, Biotinylated is 40-200ng/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. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.



SDS-PAGE

Application Data
Immobilized Human BAFFR/BLyS hFc at 2 ug/mL (100 uL/well) can bind Human BAFFR/TNFRSF13C hFc & AVI, Biotinylated, the EC50 of Human BAFFR/TNFRSF13C hFc & AVI, Biotinylated is 40-200 ng/mL.

ADDITIONAL INFORMATION

Related Product Information for TNFRSF13C active protein	Background: Tumor necrosis factor receptor superfamily, member 13C (TNFRSF13C) also known as B-cell-activating factor receptor (BAFFR) and CD268 antigen, is a member of the tumor necrosis factor receptor superfamily. A tumor necrosis factor receptor (TNFR), or death receptor, 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. It has been proposed that abnormally high levels of BAFFR/TNFRSF13C (CD268) may contribute to the pathogenesis of autoimmune diseases by enhancing the survival of autoreactive B cells.
References	Ashkenazi A, et al. (1998) Death receptors: signaling and modulation. Science. 281(5381): 1305-8.Losi CG, et al. (2005) Mutational analysis of human BAFF receptor TNFRSF13C (BAFF-R) in patients with common variable immunodeficiency. J Clin Immunol. 25(5): 496-502.Hentges KE, et al. (2002) Tnfrsf13c (Baffr) is mis-expressed in tumors with murine leukemia virus insertions at Lvis22. Genomics. 80(2): 204-12.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16445027
NCBI GeneID	115650
NCBI Accession #	NP_443177.1
NCBI GenBank Nucleotide #	NM_052945.3
UniProt Accession #	Q96RJ3
Molecular Weight	18,935 Da
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 13C
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 13C
NCBI Official Symbol	TNFRSF13C
NCBI Official Synonym Symbols	BAFFR; CD268; CVID4; BAFF-R; BROMIX; prolixin
NCBI Protein Information	tumor necrosis factor receptor superfamily member 13C; B cell-activating factor receptor; B-cell-activating factor receptor; BAFF receptor; BLyS receptor 3
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 13C

UniProt Gene Name	TNFRSF13C
UniProt Synonym Gene Names	BAFFR; BR3; BAFF-R
UniProt Entry Name	TR13C_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://www.aaabiotech.com/hek293-active-protein/baffr-tnfrsf13c/258045>