

Active Recombinant Rat Tnfrsf13c Protein, His-tagged

Cat. No. Tnfrsf13c-11017R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rat BAFFR, His Tag is expressed from human 293 cells (HEK293). It contains AA Ser 10 - Asp 69 (Accession # D4A281-1). This protein carries a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	10-69 aa
Description	BAFF receptor (B-cell activating factor receptor, BAFF-R), also known as tumor necrosis factor receptor superfamily member 13C (TNFRSF13C), is a membrane protein of the TNF receptor superfamily which recognizes BAFF. B-cell activating factor (BAFF) enhances B-cell survival in vitro and is a regulator of the peripheral B-cell population. Overexpression of BAFF in mice results in mature B-cell hyperplasia and symptoms of systemic lupus erythematosus (SLE). Also, some SLE patients have increased levels of BAFF in serum. Therefore, it has been proposed that abnormally high levels of BAFF may contribute to the pathogenesis of autoimmune diseases by enhancing the survival of autoreactive B cells.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Mouse BAFF Protein, Mouse IgG2a Fc Tag at 5 µg/mL (100 µL/well) can bind Rat BAFFR, His Tag with a linear range of 10-312 ng/mL.

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Molecular Mass	The protein has a calculated MW of 8.7 kDa. The protein migrates as 16-30 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/μg by the LAL method/rFC method.
Purity	>90% as determined by SDS-PAGE. >95% as determined by SEC-HPLC.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Tnfrsf13c tumor necrosis factor receptor superfamily, member 13c [Rattus norvegicus]
Official Symbol	Tnfrsf13c
Synonyms	TNFRSF13C; tumor necrosis factor receptor superfamily, member 13c; RGD1560810
Gene ID	500910
mRNA Refseq	NM_001431971
Protein Refseq	NP_001418900

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UniProt ID

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