

# Human BAFFR/TNFRSF13C Protein

Cat. No. BAF-HM201

## Description

<b>Source</b>	Recombinant Human BAFFR/TNFRSF13C Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ser7-Ala71.
<b>Accession</b>	Q96RJ3-1
<b>Molecular Weight</b>	The protein has a predicted MW of 33.3 kDa. Due to glycosylation, the protein migrates to 40-48 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

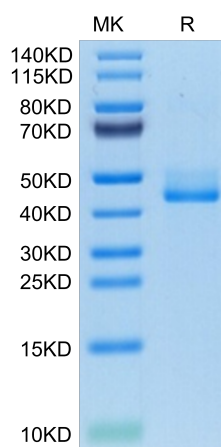
<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

BAFF binds to three TNF receptor superfamily members: B-cell maturation antigen (BCMA/TNFRSF17), transmembrane activator and calcium-modulator and cyclophilin ligand interactor (TACI/TNFRSF13B) and BAFF receptor (BAFF R/BR3/TNFRSF13C). These receptors are type III transmembrane proteins that lack a signal peptide. Whereas TACI and BCMA bind BAFF and another TNF superfamily ligand, APRIL (a proliferation-inducing ligand), BAFF R selectively binds BAFF.

## Assay Data

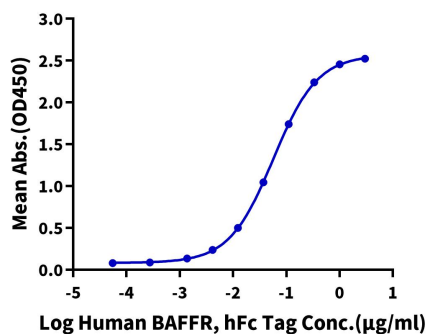
### Bis-Tris PAGE



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

### ELISA Data

**Human BAFFR, hFc Tag ELISA**  
0.2 $\mu\text{g}$  Human BAFF Trimer, His Tag Per Well



Immobilized Human BAFF Trimer, His Tag at 2 $\mu\text{g}/\text{ml}$  (100 $\mu\text{l}/\text{well}$ ). Dose response curve for Human BAFFR, hFc Tag with the EC50 of 56.9ng/ml determined by ELISA.