

## Product datasheet for **TP723964**

### **BAFF Receptor (TNFRSF13C) Human Recombinant Protein**

#### **Product data:**

|  |  |
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| <b>Product Type:</b>                         | Recombinant Proteins   |
| <b>Description:</b>                          | Human BAFF-R Protein, mFc Tag  |
| <b>Species:</b>                              | Human  |
| <b>Expression Host:</b>                      | HEK293   |
| <b>Expression cDNA Clone or AA Sequence:</b> | BAFF-R[Ser7-Ala71]+mFc[Pro99-Lys330]   |
| <b>Tag:</b>                                  | C-Mouse Fc   |
| <b>Predicted MW:</b>                         | 33.6 kDa   |
| <b>Purity:</b>                               | > 95%  |
| <b>Buffer:</b>                               | Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization                                     |
| <b>Bioactivity:</b>                          | EC50=109.8   |
| <b>Reconstitution Method:</b>                | Reconstitute with deionized water  |
| <b>Preparation:</b>                          | Affinity purification  |
| <b>Applications:</b>                         | ELISA  |
| <b>Storage:</b>                              | Store the lyophilized protein at -20°C.<br>After reconstitution, store the protein at -80°C for 12 months.<br>Avoid repeated freezing and thawing. |
| <b>Stability:</b>                            | 12 months from date of despatch  |
| <b>Locus ID:</b>                             | 115650   |
| <b>UniProt ID:</b>                           | <a href="#">Q96RJ3</a>   |



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**Summary:**

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. The protein encoded by this gene is a receptor for BAFF and is a type III transmembrane protein containing a single extracellular cysteine-rich domain. It is thought that this receptor is the principal receptor required for BAFF-mediated mature B-cell survival.

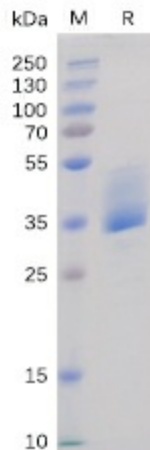
**Product images:**


Figure 1. Human BAFF-R Protein, mFc Tag on SDS-PAGE under reducing condition.

**Human BAFF-R, mFc Tagged protein ELISA**

0.2 µg of BAFF, hFc Tagged protein per well

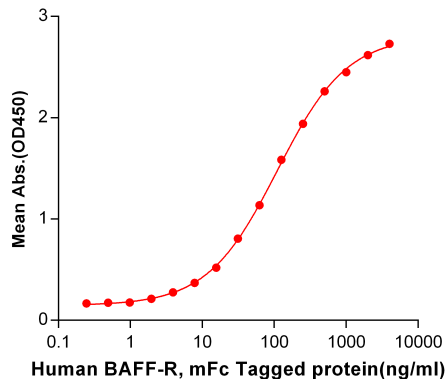


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human BAFF, hFc tagged protein ([TP723963]) can bind Human BAFF-R, mFc tagged protein (TP723964) in a linear range of 0.488-250.0 ng/ml.