

## Active Recombinant Human TNFRSF13C Protein (1-78aa), C-hlgG-His tagged

**Cat. No.** TNFRSF13C-05H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human BAFFR (1-78aa), fused to hlgG-tag at Cterminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 1-78aa                                                                                                                                                                                                                                          |
| <b>Description</b>      | B-cell receptor specific for TNFSF13B/TALL1/BAFF/BLyS. Promotes the survival of mature B-cells and the B-cell response.                                                                                                                         |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                          |
| <b>Bio-activity</b>     | Measured by its binding ability in a functional ELISA with Human BAFF. The ED50 range $\leq 0.7 \mu\text{g/mL}$ .                                                                                                                               |
| <b>Molecular Mass</b>   | 34.4 kDa (314aa)                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | < DGS> MRRGPRSLRGRDAPAPTPCVPAECFDLLVRHCVACGLLRTPRPKPAGASS<br>PAPRTALQPQESVGAGAGEAALPLPGLL< LEPKSCDKTHTCPPCPAPELLGGPSVF<br>LFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYN<br>STYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPS |

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|                       |                                                                                                                                                                 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | RDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLT<br>VDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK>                                                               |
| <b>Endotoxin</b>      | < 1.0 EU/μg of the protein by the LAL method.                                                                                                                   |
| <b>Purity</b>         | > 95% by SDS-PAGE                                                                                                                                               |
| <b>Applications</b>   | SDS-PAGE, Bioactivity                                                                                                                                           |
| <b>Notes</b>          | For research use only. This product is not intended or approved for human, diagnostics or veterinary use.                                                       |
| <b>Storage</b>        | Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles. |
| <b>Concentration</b>  | 1 mg/mL (determined by Absorbance at 280nm)                                                                                                                     |
| <b>Storage Buffer</b> | Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol                                                                                                      |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TNFRSF13C tumor necrosis factor receptor superfamily, member 13C [ Homo sapiens (human) ]                                                                                                                                                                                                 |
| <b>Official Symbol</b> | TNFRSF13C                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>        | TNFRSF13C; tumor necrosis factor receptor superfamily, member 13C; tumor necrosis factor receptor superfamily member 13C; BAFFR; CD268; BAFF receptor; BLyS receptor 3; B cell-activating factor receptor; B-cell-activating factor receptor; CVID4; BAFF-R; BROMIX; prolixin; MGC138235; |

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**Gene ID** 115650

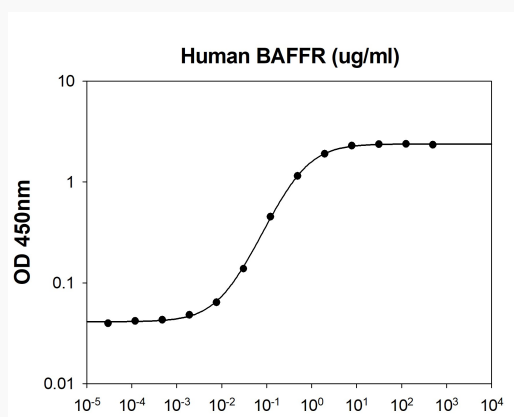
**mRNA Refseq** NM\_052945

**Protein Refseq** NP\_443177

**MIM** 606269

**UniProt ID** Q96RJ3

### Biological Activity



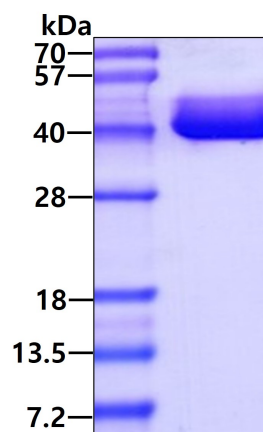
Human BAFF is coated at 5 µg/mL (100 µL/well) can bind Human BAFFR. The ED50 range ≤ 0.7 µg/mL.

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## SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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