

## Recombinant Human/Mouse/Rat BDNF Protein

RPCB1511

### Description

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This high-purity Recombinant Human/Mouse/Rat BDNF Protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Protein Information

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| <b>SKU:</b>             | RPCB1511   |
| <b>Contents:</b>        | 10 µg, 20 µg, 50 µg, 100 µg<br>Bradford Reagent: 1 vial (2ml)  |
| <b>Synonyms:</b>        | ANON2, BULN2, BDNF, BULN2  |
| <b>Species:</b>         | Human,Mouse,Rat  |
| <b>Gene ID:</b>         | 627  |
| <b>Expression Host:</b> | -  |
| <b>Tags:</b>            | C-His  |
| <b>Calculated MW:</b>   | 14.35 kDa  |
| <b>Observed MW:</b>     | 17 kDa   |
| <b>Purification:</b>    | ≥ 95 % as determined by SDS-PAGE, ≥95 % as determined by HPLC.   |
| <b>Endotoxin:</b>       | < 1 EU/µg of the protein by LAL method.  |
| <b>Formulation:</b>     | Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.   |
| <b>Bio- Activity:</b>   | 1. Immobilized Recombinant Human/Mouse/Rat BDNF Protein at 5µg/mL (100 µL/well) can bind Recombinant Human TrkB with a linear range of 0.38-1.14 µg/mL.2.Immobilized Recombinant Human/Mouse/Rat BDNF Protein at 1µg/mL (100 µL/well) can bind BDNF Rabbit mAb with a linear range of 0.4- |

**Manufacturers Statement - This final kit system is assembled and quality-released by Assay Genie Limited**

2.15ng/mL.3.Immobilized Recombinant Human TrkB at 2 $\mu$ g/mL (100  $\mu$ L/well) can bind Recombinant Human BDNF with a linear range of 1.95-258ng/mL.

## Preparation & Storage

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**Shipping:** The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

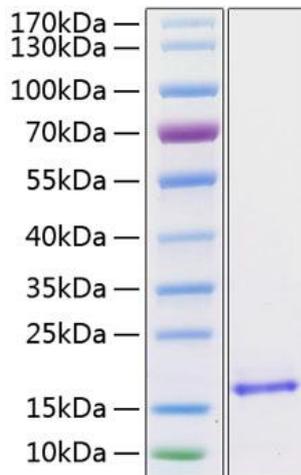
**Storage:** Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.  
Store Bradford Reagent at Room Temperature for 1 Year.

**Reconstitution:** Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol.

## Validation Data

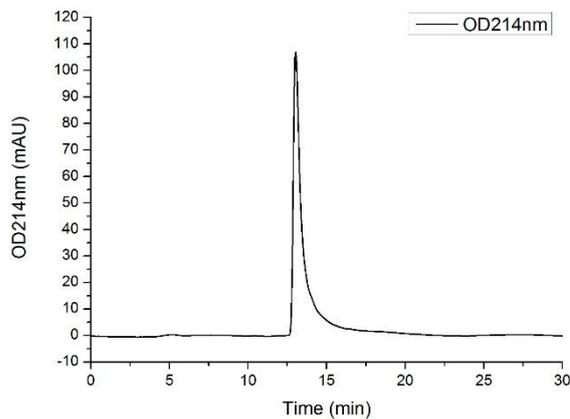
### Image



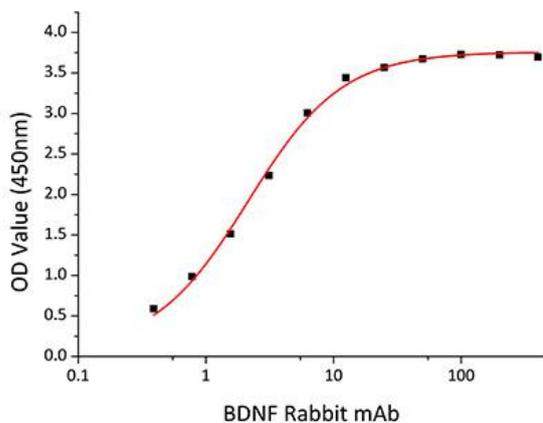
### Description

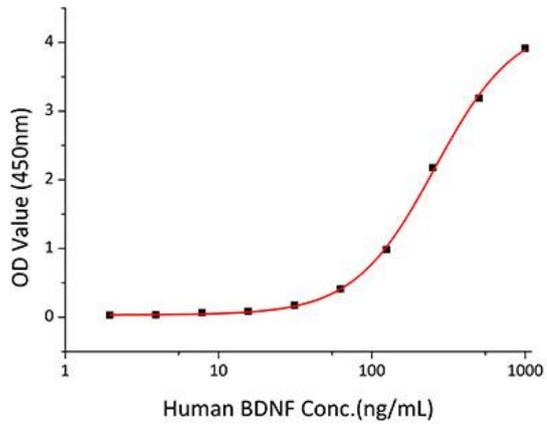
Recombinant Human/Mouse/Rat BDNF Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

The purity of Recombinant Human/Mouse/Rat BDNF Protein (RPCB1511) was greater than 95% as determined by SEC-HPLC.



Immobilized Recombinant Human/Mouse/Rat BDNF Protein at 1 µg/mL (100 µL/well) can bind BDNF Rabbit mAb with a linear range of 0.4-2.15ng/mL.





Immobilized Recombinant Human TrkB at 2 $\mu$ g/mL (100  $\mu$ L/well) can bind Recombinant Human BDNF with a linear range of 1.95-258ng/mL.