



## *Recombinant Human Brain Natriuretic Peptide* **rHuBNP**

**Catalog number: HZ-6502**

**Lot: CHI-121407**

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### *Specifications and Use*

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| <b>Source</b>          | <ul style="list-style-type: none"><li>● <i>Escherichia coli</i>.</li></ul>   |
| <b>Molecular Mass</b>  | <ul style="list-style-type: none"><li>● Approximately 3.4KDa (32 amino acids).</li></ul>   |
| <b>Purity</b>          | <ul style="list-style-type: none"><li>● <math>\geq 95\%</math> as determined by SDS-PAGE and HPLC analysis.</li></ul>  |
| <b>Activity</b>        | <ul style="list-style-type: none"><li>● Fully biologically active when compared to standards.</li></ul>  |
| <b>Endotoxin Level</b> | <ul style="list-style-type: none"><li>● Less than 1EU/<math>\mu</math>g of rHuBNP as determined by LAL method.</li></ul>   |
| <b>Formulation</b>     | <ul style="list-style-type: none"><li>● Sterile filtered lyophilized (freeze-dried) powder</li></ul>   |
| <b>Solubility</b>      | <ul style="list-style-type: none"><li>● It is recommended to reconstitute the lyophilized recombinant protein in sterile ddH<sub>2</sub>O.</li></ul>   |
| <b>Stability</b>       | <ul style="list-style-type: none"><li>● The lyophilized recombinant protein, though stable at room temperature, is best stored desiccated below 0°C.</li><li>● Reconstituted recombinant protein should be stored in working aliquots at -20°C.</li><li>● Avoid repeated freeze-thaw cycles.</li></ul> |
| <b>Usage</b>           | <ul style="list-style-type: none"><li>● FOR RESEARCH USE ONLY. NOT FOR HUMAN USE.</li></ul>  |

### ***Human Brain Natriuretic Protein***

As a protein secreted by brain and heart artia, human brain natriuretic protein is mainly stored in cardiac ventricular myocardium. It can cause natriuresis, diuresis, vasodilation, and inhibits secretion of renin and aldosterone. It can also improve heart function. The recombinant Human Brain Natriuretic Peptide produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 32 amino acids.