

## GFH1 Recombinant Human BDNF

**Lot Number** 1209

### Product Description

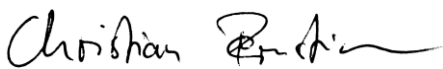
|                     |  |
|---------------------|--|
| <b>Predicted Mw</b> | 13.6/27.3 kDa, Non-covalent homodimer  |
| <b>Length</b>       | 120/240 aa   |
| <b>Sequence</b>     | MHSDPARRGE LSVCDISEW VTAADKKTAV DMSGGTVTVL EKVPVSKGQL KQYFYETKCN PMGYTKEGCR GIDKRHWNSQ CRTTQSYVRA LTMDSKKRIG WRFIRIDTSC VCTLTIKRGR |
| <b>Formulation</b>  | Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)                       |

### Specifications

| Parameter                      | Method of Determination            | Acceptance Criteria                                | Result  |
|--------------------------------|------------------------------------|--|---|
| <b>Purity</b>                  | Reducing and Non-Reducing SDS-PAGE | ≥95%   | >95%  |
| <b>Endotoxin Level (EU/ml)</b> | Kinetic LAL (50% confidence)       | ≤1.0 EUs/μg  | <0.05 EUs/μg  |
| <b>Biological Activity</b>     | C6 cell proliferation              | ED50 ≤2 μg/ml<br>(≥5.0 x 10 <sup>2</sup> units/mg) | ED50 = 0.65 μg/ml<br>(1.5 x 10 <sup>3</sup> units/mg) |

### Preparation and Storage

|                              |   |
|------------------------------|---|
| <b>Storage Temperature</b>   | -20°C   |
| <b>Shipping Temperature</b>  | RT  |
| <b>Stability and Storage</b> | 12 months from date of receipt when stored at -20°C to -80°C as supplied.<br>1 month when stored at 4°C after reconstituting as directed.<br>3 months when stored at -20°C to -80°C after reconstituting as directed.   |
| <b>Reconstitution</b>        | Sterile water at 0.1 mg/mL. Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. <b>DO NOT VORTEX</b> . Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store in a manual defrost freezer at -80°C, and avoid repeat freeze thaws. |



Christian Pernstich, Research Director

Date 22/08/2019