

## BDNF Recombinant Human BDNF

<b>Catalog No.</b>	CRB600-50
<b>Lot No:</b>	3108809
<b>Quantity:</b>	50 µg
<b>Alternate Names:</b>	Abrineurin
<b>Description:</b>	Human Brain-Derived Neurotrophic Factor (BDNF) is a potent neurotrophic factor that supports the growth and survivability of nerve and glial cells. The active form of BDNF is a 27.0 kDa dimer, formed by two identical 119 amino acid subunits held together by strong hydrophobic interactions.
<b>Gene ID:</b>	627
<b>Source:</b>	<i>E. coli</i>
<b>Molecular Weight:</b>	27.0 kDa
<b>Formulation:</b>	Lyophilized from a sterile filtered solution without additives.
<b>Purity:</b>	>98.0% by HPLC and SDS-PAGE
<b>Endotoxin Level:</b>	<0.1 ng/µg of BDNF
<b>Biological Activity:</b>	ED <sub>50</sub> is 0.1-1.0 ng/ml, determined by its ability to stimulate chick E8 neurite outergrowth.
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water to the vial to a concentration of 0.1-1.0 mg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.
<b>Storage &amp; Stability:</b>	Store desiccated at -20°C. After reconstitution, store in working aliquots at -20°C. <b>Avoid repeated freeze-thaw cycles.</b>

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

