

Product Datasheet

BDNF Protein, Human/Murine/Rat, Recombinant (orb1962089)

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| Catalog Number | orb1962089 |
| Description | Brain-Derived Neurotrophic Factor (BDNF) is a member of the neurotrophin family. Along with other structurally related neurotrophic factors NGF, NT-3 and NT-4, BDNF binds with high affinity to the TrkB kinase receptor. It also binds with the LNGFR (for low-affinity nerve growth factor receptor, also known as p75). BDNF promotes the survival, growth and differentiation of neurons. It serves as a major regulator of synaptic transmission and plasticity at adult synapses in many regions of the CNS. BDNF expression is altered in neurodegenerative disorders such as Parkinson's and Alzheimer's disease. |
| Storage | -20°C |
| Tag | Tag Free |
| Note | For research use only |
| Application notes | Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing. |
| Protein Sequence | His129-Arg247 |
| Purity | > 99.9% |
| MW | 14 KDa (reducing condition) |
| Uniprot ID | P23560 |
| Expiration Date | 6 months from date of receipt. |

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