BIOZOL

Diagnostica Vertrieb GmbH, Oehleckerring 11-13

22419 Hamburg, Germany

Telephone: +49 (0)89 3799666-6 | **Fax:** +49 (0)89 3799666-99

E-Mail: info@biozol.de

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Product Datasheet

Recombinant Human BDNF, Unconjugated

EMB-Y00201-50UG

Article Name	Recombinant Human BDNF, Unconjugated
Biozol Catalog Number	EMB-Y00201-50UG
Supplier Catalog Number	Y00201
Alternative Catalog Number	EMB-Y00201-50UG, EMB-Y00201-1MG
Manufacturer	EastMabBio
Category	Proteine/Peptide
Application	Cell Culture
Species Reactivity	Human
Conjugation	Unconjugated
Molecular Weight	13.5 kDa
Tag	Tag free
UniProt	P23560
Buffer	Lyophilized from a 0.22 um filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH7.4
Source	CHO cell

Purity	95% by SDS-PAGE
Form	Lyophilized powder
Target	BDNF
Application Notes	Expression Region: His129-Arg247. Specificity: Human BDNF. Bioactivity: Measured by its binding ability in a functional ELISA. Immobilized human BDNF can bind human TrkB. Endotoxin: 10 EU/mg. Research Area: Neuronal Survival and Differentiation - Promotes the development and maintenance of cortical, hippocampal, and sensory neurons. Synaptic Plasticity and Long-Term Potentiation - Models learning and memory mechanisms in neuronal cultures. Neurodegenerative Disease Research - Investigates BDNF loss in Alzheimers disease, Parkinsons disease, and depression. Neural Organoid Maturation - Supports the development of synaptically active cerebral organoids. Serum-Free Culture Systems - Suitable for chemically defined and xeno-free cell culture media