

Product Datasheet

RecombinantBDNF,Human (orb1494759)

Description	BDNF, also known as brain-derived neurotrophic factor and abrineurin, is a neurotrophin belonging to the NGF-beta family. It is expressed highly in the brain, and moderately in the heart, lung, skeletal muscle and placenta. BDNF signals through its high affinity receptor gp145/trkB to exert neurotrophic properties. It has been shown to be involved in the survival and differentiation of both the central and peripheral nervous system. Specifically, BDNF regulates synaptic transmission, axonal growth and path-finding, as well as dendritic growth and morphology.
Endotoxins	< 0.2 EU/μg, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Storage	Lyophilized recombinant human BDNF remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, human BDNF should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH2O or PBS at 100 μg/ml.
Protein Sequence	HSDPARRGELSVCDSEWVTAADKKTAVDMSGGTVTVLEKVPVSKGQLKQYFYETKCNPMGYTKEGCRGIDKRHWNSQC RTTQSYVRALTMDSKKRIGWRFIRIDTSCVCTLTIKRGR
Purity	> 95% as analyzed by SDS-PAGE.
Source	CHO
MW	12-14kDa, observed by reducing SDS-PAGE.
Expiration Date	6 months from date of receipt.

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