Cohesion BIOSCIENCES

Product Data Sheet

Recombinant Human Pro-BDNF Protein

Catalog #	Source	Reactivity	Applications
CRP1114	E. coli	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human Pro-BDNF is produced by E.coli expression system and the target gene encoding Ala19-Arg247 is expressed.

Form Liquid in a a 0.2 µm filtered solution of 20mM PB, 10% Trehalose, 100mM NaCl, 0.02% Tween 80, pH 6.0.

Gene Symbol BDNF

Alternative Names Brain-derived neurotrophic factor; BDNF; Abrineurin

Entrez Gene 627 (Human)

SwissProt P23560 (Human)

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

Chemical Structure MAPMKEANIR GQGGLAYPGV RTHGTLESVN GPKAGSRGLT SLADTFEHVI EELLDEDQKV RPNEENNKDA DLYTSRVMLS SQVPLEPPLL FLLEEYKNYL DAANMSMRVR RHSDPARRGE LSVCDSISEW VTAADKKTAV DMSGGTVTVL EKVPVSKGQL KQYFYETKCN PMGYTKEGCR GIDKRHWNSQ CRTTQSYVRA LTMDSKKRIG WRFIRIDTSC VCTLTIKRGR

Quality Control Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Directions for Use Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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