PRODUCT INFORMATION

## GDNF (Glial-derived neurotrophic factor), Human

*v. 231001*

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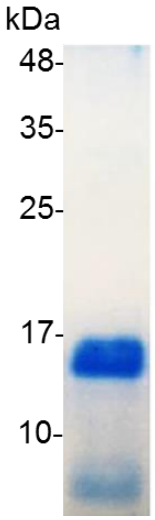
| **Catalog number** | C01151-5UG / C01151-20UG / C01151-100UG |
| **Package** | 5 μg / 20 μg / 100 μg |
| **Description** | Glial cell-derived neurotrophic factor (GDNF) is a protein that, in humans, is encoded by the GDNF gene. GDNF is a small protein that potently promotes the survival of many types of neurons. GDNF, that acts via classical neurotrophic mechanism, has been effective in several pre-clinical models of PD and had some efficacy in parkinsonian patients. |
| **Source** | *Escherichia coli* |
| **Sequence** | MSPDKQMAVLPRRERNRQAAAANPENSRGKGRRGQRGKNRGCVLTAIHLNV TDLGLGYETKEELIFRYCSGSCDAAETTYDKILKNLSRNRRLVSDKVGQACCRP IAFDDDLSFLDDNLVYHILRKHSAKRCGCI with polyhistidine tag at the C-terminus |
| **Endotoxin level** | <0.1 EU per 1 μg of the protein by the LAL method. |
| **Activity** | Measure by its ability to induce proliferation in SH-SY5Y cells. The $ED_{50}$ for this effect is <10 ng/mL. |
| **Purity** | >95% as determined by SDS-PAGE. |
| **Form** | Lyophilized |
| **Storage Buffer** | Lyophilized from a 0.2 μm filtered solution containing 20 mM sodium citrate and 0.2 M NaCl, pH 3.5. |
| **Reconstitution** | It is recommended to reconstitute the lyophilized protein in sterile $H_2O$ to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved. |
| **Stability & Storage** | This product is stable after storage at:<br>• -20°C for 12 months in lyophilized state from date of receipt.<br>• -20°C or -80°C for 1 month under sterile conditions after reconstitution.<br>Avoid repeated freeze/thaw cycles. |




SDS-PAGE analysis of recombinant human GDNF

*For research use only.*