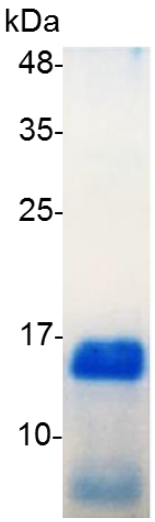
PRODUCT INFORMATION

GDNF (Glial-derived neurotrophic factor), Human

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	MSPDKQMAVLPRRERNRQAAAANPENSRGKGRRGQRGKNRGCVLTAIHLNVT DLGLGYETKEELIFRYCSGSCDAAETTYDKILKNLSRNRRLVSDKVGQACCRPIA FDDDLSFLDDNLVYHILRKHSAKRCGCI 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. Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 20 mM sodium citrate, 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 100 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant human GDNF

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