

GNDF/ATF/HSCR3, Mouse, Recombinant

Cat. No. : PCK324

General Information

Synonyms	AI385739;ATF
Species	Mouse
Expression host	E.coli
Sequence	MSPDKQAAALPRRERNRQAAAAASPENSRGKGRRGQRGKNRGCVLTAIHLNVTDLGLGYETKE ELIFRYCSGSCESAETMYDKILKNLSRSRRLTSDKVGQACCRPVAFDDLSFLDDNLVYHILRK HSAKRCGCI with polyhistidine tag at the C-terminus.
Accession	P48540.1
Tag	His-tag at the C-terminus
Mol mass	15.91 kDa
Expiration date	12 months

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

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.

SDS-PAGE