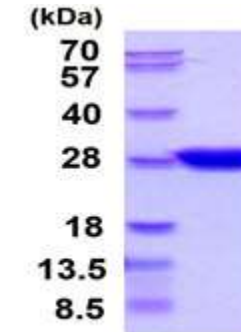


CNTF, human recombinant

CATALOG NO:	P1093-10 10 µg P1093-50 50 µg
ALTERNATE NAMES:	Ciliary neurotrophic factor, CNTF
CONCENTRATION:	1 mg/ml (determined by Bradford assay)
SOURCE:	<i>E.coli</i> expressed recombinant CNTF protein, fused to His-tag at N-terminus (1-200aa).
PURITY:	> 95% by SDS-PAGE
MOL. WEIGHT:	This protein is fused with 6x His tag at N terminus and the protein has a calculated MW of 25 kDa (200aa), confirmed by MALDI-TOF
ENDOTOXIN LEVEL:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
FORM:	Liquid
FORMULATION:	In 20 mM Tris-HCl buffer (pH8.5) containing 1mM DTT, 30% glycerol, 0.2M NaCl.
STORAGE CONDITIONS:	Store at +4°C for short term (1-2 weeks). For long term storage, aliquot and store at -70°C. Avoid repeated freeze/thaw cycles.
SEQUENCE:	MGSSHHHHHH SGLVPRGSH MAFTEHSPLT PHRRDLCRSR IWLARKIRSD LTALTESYVK HQGLNKNINL DSADGMPVAS TDQWSELTEA ERLQENLQAY RTFHVLLARL LEDQQVHFTP TEGDFHQAIH TLLLQVAFA YQIEELMILL EYKIPRNEAD GMPINVGDDG LFEKKLWGLK VLQELSQWTV RSIHDLRFIS SHQTGIPARG SHYIANNKKM
DESCRIPTION:	CSTA, also known as Stefin A, is thiol protease inhibitors that form complexes with papain and the cathepsins B, H and L. The protein is one of the precursor proteins of the cornified cell envelope in keratinocytes and plays a role in epidermal development and maintenance. CSTA is thought to be a tumor suppressor, since an inverse correlation seems to exist between the level of CSTA and tumor progression, in several malignancies Recombinant human CSTA protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques.
BIOLOGICAL ACTIVITY:	Measured in a cell proliferation assay using TF-1 human erythroleukemic cell. The ED50 for this effects is less or equal to 1 µg/ml.



15% SDS-PAGE (3µg)

Human recombinant CNTF

RELATED PRODUCT:

- BDNF, human recombinant (Cat. No. 4004-10)
- GDNF, human recombinant (Cat. No. 4097-10)
- NT-4, human recombinant (Cat. No. 4309-10)
- CNTF, human recombinant (Cat. No. 4017-20)
- Human CellExp™ NTRK2 /TRKB, human recombinant (Cat. No. 7468-10)
- NGF-beta, human recombinant (Cat. No. 4303R-100)

FOR RESEARCH USE ONLY! Not to be used on humans.