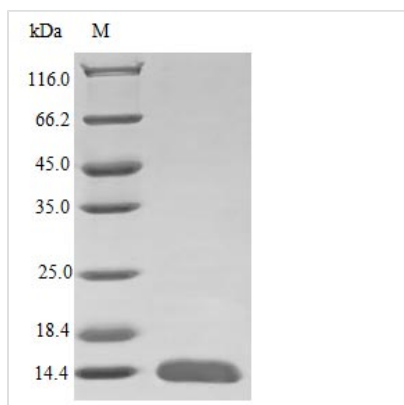




Recombinant Human Glial cell line-derived neurotrophic factor protein (GDNF) (Active)

Product Code	CSB-AP002881HU
Abbreviation	Recombinant Human GDNF protein (Active)
Uniprot No.	P39905
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 m filtered 1 × PBS, pH 7.4, with 0.05 % Tween-20
Product Type	Growth Factor
Immunogen Species	Homo sapiens (Human)
Biological Activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using rat C6 cells is less than 0.1 ng/ml, corresponding to a specific activity of $>5.0 \times 10^7$ IU/mg.
Purity	$>97\%$ as determined by SDS-PAGE.
Sequence	SPDKQMAVLP RRERNRQAAA ANPENSRGKG RRGQRGKNRG CVLTAIHLNV TDLGLGYETK EELIFRYCSG SCDAAETTYD KILKNLSRNR RLVSDKVGQA CCRPIAFDDD LSFLDDNLVY HILRKHSKR CGCI
Research Area	Neuroscience?
Source	E.Coli
Target Names	GDNF
Expression Region	78-211aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag-Free
Mol. Weight	15.1 kDa
Protein Length	Full Length of Mature Protein
PubMed ID	8493557; 7867768; 15372022; 15489334; 10366742; 9811930; 8988018; 22081608; 9359036; 19478429; 8968758; 8896568; 8896569; 9497256; 10917288

Image


Endotoxin

Less than 1.0 EU/μg as determined by LAL method.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.