Human GDNF Protein

Cat. No. GDF-HE001

Description

Source	Recombinant Human GDNF Protein is expressed from E.coli without tag
	It contains Ser78-Ile211.
Accession	P39905-1
Molecular Weight	The protein has a predicted MW of 15.06 kDa same as Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

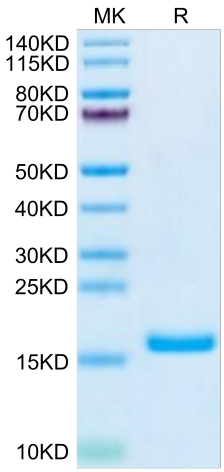
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Glial cell line-derived neurotrophic factor (GDNF) is a 134 amino acid protein belonging in the GDNF family ligands (GFLs). GDNF was originally isolated from rat glial cell lines and identified as a neurotrophic factor with the ability to promote dopamine uptake within midbrain dopaminergic neurons.

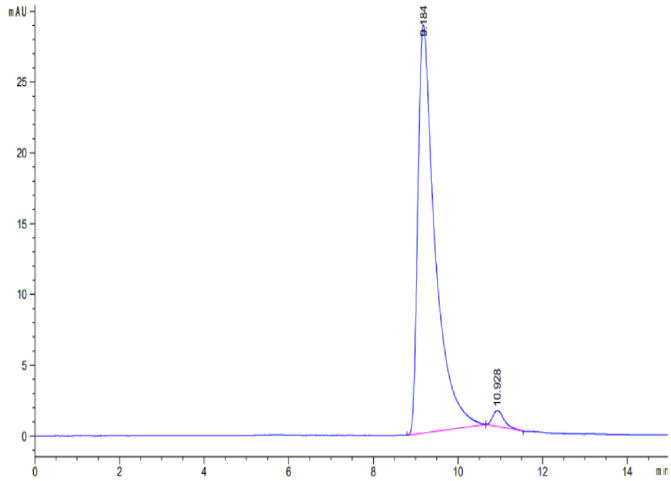
Assay Data

Tris-Bis PAGE



Human GDNF on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human GDNF is greater than 95% as determined by SEC-HPLC.

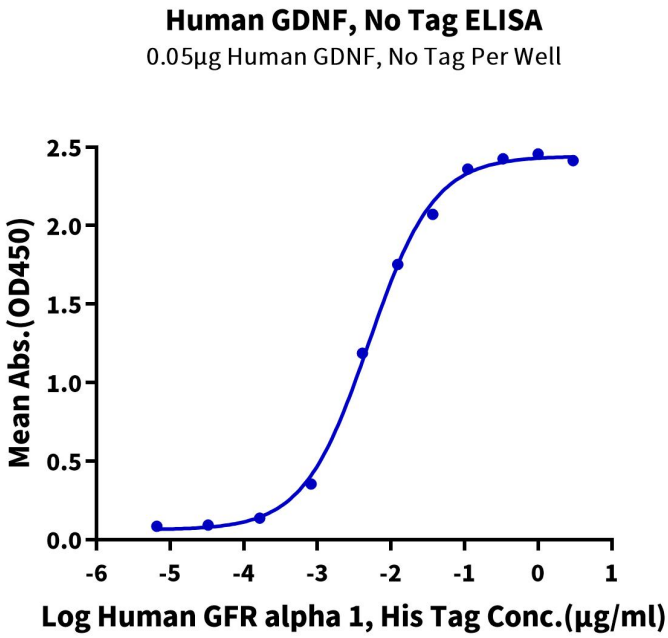
For Research Use Only

Human GDNF Protein

Cat. No. GDF-HE001

Assay Data

ELISA Data



Immobilized Human GDNF, No Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Human GFR alpha 1, His Tag with the EC50 of 5.0ng/ml determined by ELISA.