

Datasheet for ABIN6964190

GDNF Protein (AA 78-211) (Fc Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	GDNF
Protein Characteristics:	AA 78-211
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GDNF protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human GDNF with C-terminal human Fc tag
Specificity:	GDNF (Ser78-Ile211) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	GDNF
Alternative Name:	GDNF (GDNF Products)
Background:	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta)

Target Details

superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. The recombinant form of this protein, a highly conserved neurotrophic factor, was shown to promote the survival and differentiation of dopaminergic neurons in culture, and was able to prevent apoptosis of motor neurons induced by axotomy. This protein is a ligand for the product of the RET (rearranged during transfection) protooncogene. Mutations in this gene may be associated with Hirschsprung disease and Tourette syndrome. This gene encodes multiple protein isoforms that may undergo similar proteolytic processing. [provided by RefSeq, Aug 2016]

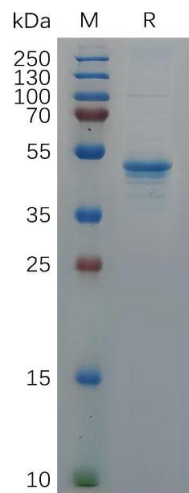
Molecular Weight:	predicted molecular mass of 41.2 kDa after removal of the signal peptide. The apparent molecular mass of GDNF-hFc is 55-70 kDa due to glycosylation.
UniProt:	P39905
Pathways:	RTK Signaling , Synaptic Membrane , Tube Formation , Autophagy , Smooth Muscle Cell Migration

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human F Protein, hFc Tag on SDS-PAGE under reducing condition.