

Datasheet for ABIN7488782 **GDNF Protein**



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Overview

Quantity:	50 µg
Target:	GDNF
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant

Product Details

Purpose:	Human GDNF / ATF / hGDNF Protein, premium grade
Sequence:	Ser 78 - Ile 211
Characteristics:	Human GDNF Protein, premium grade is expressed from human 293 cells (HEK293). It contains AA Ser 78 - Ile 211 (Accession # P39905-1).
Purity:	90 %
Endotoxin Level:	0.1 EU per µg
Grade:	Premium grade

Target Details

Target:	GDNF
Alternative Name:	GDNF (GDNF Products)
Background:	Glial cell line-derived neurotrophic factor (GDNF) is a neurotrophic factor that enhances survival and morphological differentiation of dopaminergic neurons and increases their high-affinity dopamine uptake. GDNF is a glycosylated, disulfide-bonded homodimer that is a distantly

Target Details

related member of the transforming growth factor-beta superfamily. The GDNF family members (consists of GDNF, neurturin, artemin and persephin) are structurally similar to transforming growth factor-beta. Unlike other members of the TGF-beta superfamily, which signal through the receptor serine-threonine kinases, GDNF family ligands activate intracellular signalling cascades via the receptor tyrosine kinase Ret. GDNF family ligands binds to GDNF family receptor alpha (GFRalpha) and then the GDNF family ligand-GFR alpha complex binds to and stimulates autophosphorylation of Ret.

Molecular Weight: 15.1 kDa

Pathways: [RTK Signaling](#), [Synaptic Membrane](#), [Tube Formation](#), [Autophagy](#), [Smooth Muscle Cell Migration](#)

Application Details

Comment: This protein carries no "tag". () The protein has a calculated MW of 15.1 kDa. The protein migrates as 15-22 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -20 °C

Storage Comment: -20°C