9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-12090: Human Glial Derived Neurotrophic Factor

Gene :	GDNF
Gene ID :	2668
Uniprot ID :	P39905
Alternative Name :	Astrocyte-derived trophic factor

Description

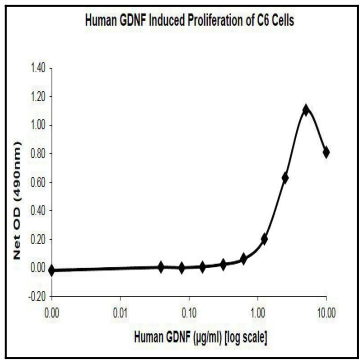
Source: Genetically modified E.coli.
Predicted MW:Â Dimer, 15.2/30.4 kDa (135/270 aa)
Â Glial cell-derived neurotrophic factor (GDNF) is a neurotrophic factor that signals through a multicomponent receptor system to activate receptor tyrosine kinase RET signaling. GDNF promotes dopamine uptake, prevents motor neuron apoptosis, and supports the survival and differentiation of neurons.

Product Info

Amount :	10 µg / 100 µg
Purification :	Reducing and Non-Reducing SDS PAGE at >= 95%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium citrate, 100 mM sodium chloride, pH 4.0 Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	MSPDKQMAVL PRRERNRQAA AANPENSRGK GRRGQRGKNR GCVLTAIHLN VTDLGLGYET KEELIFRYCS GSCDAAETTY DKILKNLSRN RRLVSDKVGQ ACCRPIAFDD DLSFLDDNLV YHILRKHSAK RCGCI

Application Note

Endotoxin: Less than 0.1 ng/Ã‚Âµg (1 IEU/Ã‚Âµg) as determined by LAL test.
Biological Activity was determined by C6 Proliferation. at <=3 ug/mL; >= 3.3 x 10^2 units/mg. Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80Ã‚Â°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss.



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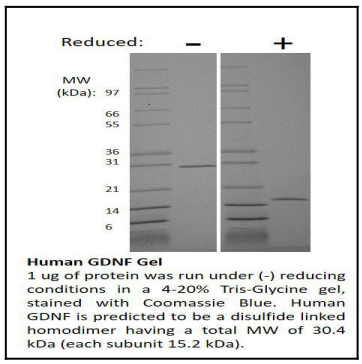

Human GDNF Gel
1 ug of protein was run under (-) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human GDNF is predicted to be a disulfide linked homodimer having a total MW of 30.4 kDa (each subunit 15.2 kDa).