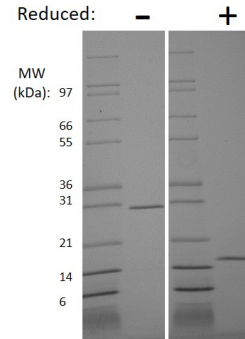
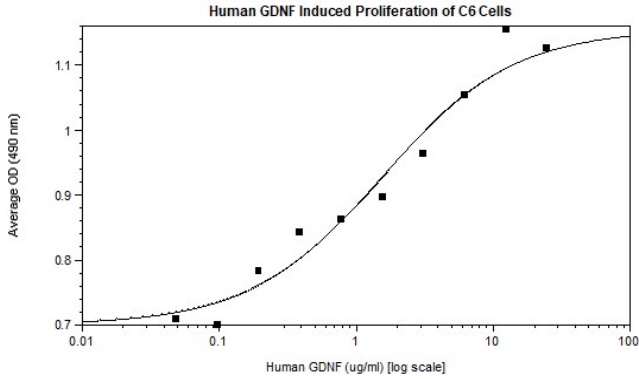


GDNF

Recombinant Human GDNF

Catalog No.	CRG400B CRG400C CRG400E	Quantity:	10 µg 1.0 mg 100 µg
Alternate Names:	Glial cell line-derived Neurotrophic Factor, ATF1, ATF2, HFB1-GDNF		
Description:	Glial Cell line-Derived Neurotrophic Factor (GDNF) is a neurotrophic factor that is closely related to other neurotrophic factors, such as Neurturin, Persephin, and Artemin, by a common structural feature called the cysteine-knot. GDNF signals through a multicomponent system of receptors that includes RET and GFRα1-4, to promote dopamine uptake, survival and differentiation of neurons.		
Gene ID:	2668		
UniProt ID:	P39905		
Source:	<i>E. coli</i>		
Molecular Weight:	15.2/30.4 kDa (135/270 aa) dimer		
Formulation:	Lyophilized from a sterile filtered solution in 10 mM sodium citrate, 100 mM Sodium Chloride, pH 4.0		
Purity:	≥95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤ 0.1 EU/µg by kinetic LAL		
Biological Activity:	ED ₅₀ ≤ 3.0 µg/ml, determined by the dose-dependent proliferation of C6 cells.		
Specific Activity:	≥ 3.3 x 10 ² U/mg		
Amino Acid Sequence:	MSPDKQMAVL PRRERNRQAA AANPENSRGK GRRGQRGKNR GCVLTAIHLN VTDLGLGYET KEELIFRYCS GSCDAAETTY DKILKNLSRN RRLVSDKVGG ACCRPIAFDD DLSFLDDNLV YHILRKHSAK RCGCI		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Upon receipt , store as supplied at -20°C to -80°C for up to one year. Upon reconstitution , the preparation is stable for up to 1 month at 2-8 °C, 3 months at -20°C to -80°C. For long term storage dilute to working aliquots containing 0.1% BSA and store at -20°C to -80°C. Avoid repeated freeze-thaw cycles. □		





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).

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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