

Recombinant Human GDNF Protein

Catalog #	Source	Reactivity	Applications
CRP1612	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human GDNF Protein is produced by our mammalian expression system and the target gene encoding Phe20-Ile211 is expressed with a Fc, 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.		
Gene Symbol	GDNF		
Alternative Names	Glial cell line-derived neurotrophic factor; hGDNF; Astrocyte-derived trophic factor; ATF		
Entrez Gene	2668 (Human)		
SwissProt	P39905 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>FPLPAGKRPP EPAEDRSLG RRRAPFALSS DSNMPEDYPD QFDDVMDFIQ ATIKRLKRSP</p> <p>DKQMAVLPRR ERNRQAAAAN PENSRGKGR GQRGKNRGCV LTAIHLNVTDLGLGYETKEE</p> <p>LIFRYCSGSC DAAETTYDKI LKNLSRNRRL VSDKVGQACC RPIAFDDDLFLDDNLVYHI</p> <p>LRKHSKRRCG CIVDDIEGRM DEPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS</p> <p>RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVSVLTVLHQDWL</p> <p>NGKEYKCKVSNKALPAPIEK TISKAKGQPR EPQVYTLPPS REEMTKNQVSLTCLVKGFYPS</p> <p>SDIAVEWESN GQPENNYKTT PPVLDSDGSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN</p> <p>HYTQKSLSLSPGKHHHHHHH</p>		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the		
<p>Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference</p> <p>Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish</p>			

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Product Data Sheet

lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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