

GDNF active protein

Recombinant Human GDNF

CATALOG #
AAA214260

HOST
E Coli

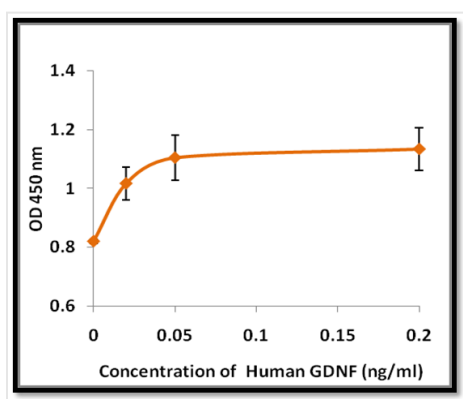
PRODUCT SYNONYMS

GDNF; Recombinant Human GDNF; Glial cell line-derived neurotrophic factor; Astrocyte-derived trophic factor; ATF; Recombinant Human Glial-Derived Neurotrophic Factor (GDNF); GDNF active protein

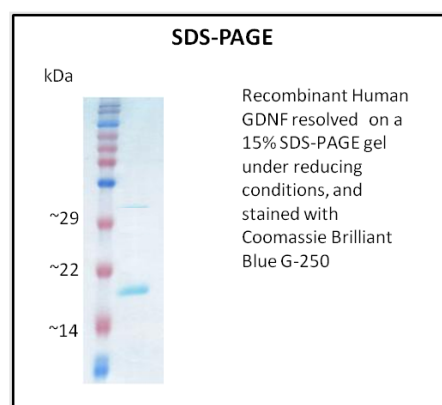
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in Sodium Citrate and NaCl (pH 4.0)
Sequence Length	159
Bioactivity	The ED50 as determined by the proliferation of rat C6 cells was found to be <0.1 ng/mL
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for GDNF active protein	GDNF is a disulfide-linked, homodimeric neurotrophic factor that belongs to the cystine-knot family of growth factors. Natively glycosylated, GDNF signals through a multi-component receptor system that comprises of a RET and one of the four GFRalpha receptors. In embryonic midbrain cultures, GDNF promotes the survival and morphological differentiation of dopaminergic neurons and increases their high-affinity dopamine uptake. Mature rat and human GDNF exhibit approximately 93% amino acid sequence identity and show considerable species cross-reactivity Recombinant Human GDNF is a non-glycosylated, disulfide-linked homodimer (30 kDa) consisting of 135 amino acids in each subunit.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	493796159
NCBI GeneID	2668
NCBI Accession #	NP_001265027.1
NCBI GenBank Nucleotide #	NP_001265027.1
UniProt Accession #	P39905
NCBI Official Full Name	glial cell line-derived neurotrophic factor isoform 5
NCBI Official Synonym Full Names	glial cell derived neurotrophic factor
NCBI Official Symbol	GDNF
NCBI Official Synonym Symbols	ATF; ATF1; ATF2; HSCR3; HFB1-GDNF
NCBI Protein Information	glial cell line-derived neurotrophic factor
UniProt Protein Name	Glial cell line-derived neurotrophic factor
UniProt Gene Name	GDNF
UniProt Synonym Gene Names	hGDNF; ATF
UniProt Entry Name	GDNF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.