



# Certificate of Analysis

## GDNF Protein, Rat (sf9, His)

Cat. No.:	HY-P73075
Batch No.:	247511
Species:	Rat
Source:	<i>Sf9 insect cells</i>
Tag:	N-6*His
Accession:	Q07731-1 (S78-I211)
Gene ID:	25453
Molecular Weight:	Approximately 20 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	97.70%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	<p>1. Measured in a cell proliferation assay using SH-SY5Y human neuroblastoma cells. The ED<sub>50</sub> is typically ≤50 ng/mL in the presence of Rat GFR alpha-1/GDNF R alpha-1 His Chimera.</p> <p>2. Immobilized GDNF Protein, Rat (sf9, His) at 10 μg/mL (100 μl/well) can bind rat GFRA1-Fc and the EC<sub>50</sub> is 20-46.6 ng/mL.</p>	<p>1.7 ng/mL (Test by method 1)</p> <p>PASS (Test by method 2)</p>
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O.	
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

**Caution: Product has not been fully validated for medical applications. For research use only.**

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