

Recombinant Human GDNF Family Receptor Alpha 3

Cat. No. GFRA3-1620H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Sf21 Cells
Description	GDNF family receptor alpha 3, also known as GFRA3 is a glycosylphosphatidylinositol (GPI)-linked cell surface receptor and a member of the GDNF receptor family. It forms a signaling receptor complex with RET tyrosine kinase receptor and binds the ligand, artemin. GFRalpha3 preferentially binds the newest member of the glial-derived neurotrophic factor family of ligands, artemin. The major site of GFRalpha3 expression is in the dorsal root ganglion. GFRalpha3 artemin neurons are immunopositive for markers expected of nociceptors and include a subset of neurons distinct from the GDNF-responsive population.
State Of Matter	Lyophilized.
Purity	>90% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Molecular Weight	The predicted molecular weight of Recombinant Human GFR α -3 is Mr 67 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 67 kDa.

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Storage And Stability

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

GENE INFORMATION

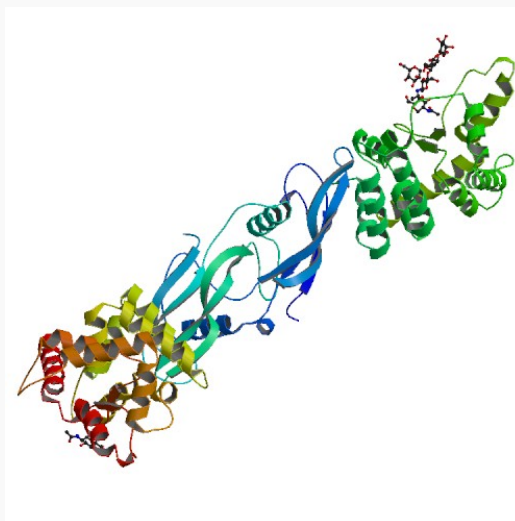
Gene Name	GFRA3 GDNF family receptor alpha 3 [Homo sapiens]
Synonyms	GDNF family receptor alpha 3; GFRA3; GPI-linked receptor; glial cell line-derived neurotrophic factor receptor alpha-3; GFR-alpha-3; GFRa-3
Gene ID	2676
mRNA Refseq	NM_001496
Protein Refseq	NP_001487
MIM	605710
UniProt ID	O60609
Chromosome Location	5q31.1-q31.3
Function	axon guidance receptor activity; receptor activity; receptor binding

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