

Recombinant Human GDNF Family Receptor Alpha 2

Cat. No. GFRA2-1619H Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Mammalian Cells
Description	Glial cell line-derived neurotrophic factor family receptor alpha-2, also known as GFRA2, is the cognate co-receptor for the neurotrophic factor neurturin that is selectively expressed by isolectin B(4) (IB 4)-binding nociceptive sensory neurons. GFRA2 is required for the development of the myenteric nerve plexus and is an excellent candidate gene for Hirschsprung disease (HSCR). GFRalpha2 signaling is also needed for development of the parasympathetic islet innervation that is critical for vagally induced hormone secretion.
Molecular Weight	The predicted molecular weight of Recombinant Human GFR α -2 is 74 kDa. However, the actual molecular weight as observed by migration on SDS Page is 100 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.
Storage	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

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8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	GFRA2 GDNF family receptor alpha 2 [Homo sapiens]
Synonyms	GFRA2; GDNF family receptor alpha 2; NTNRA; RETL2; TRNR2; GDNFRB; NRTNR-ALPHA; NTN- α ; GDNF receptor beta; GDNFR-beta
Gene ID	2675
mRNA Refseq	NM_001165038
Protein Refseq	NP_001158510
MIM	601956
UniProt ID	O00451
Chromosome Location	8p21.3
Pathway	Axon guidance
Function	glial cell line-derived neurotrophic factor receptor activity; receptor activity

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