

## Recombinant Human GDNF Family Receptor Alpha 2

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

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	<p>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.</p>
<b>Molecular Weight</b>	The predicted molecular weight of Recombinant Human GFR $\alpha$ -2 is 74 kDa. However, the actual molecular weight as observed by migration on SDS Page is 100 kDa.
<b>State Of Matter</b>	Lyophilized.
<b>Purity</b>	>95% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	<0.1 ng per 1 g as determined by the LAL method.
<b>Storage</b>	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

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Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

## GENE INFORMATION

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

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