

Recombinant Mouse Gfra2

Cat. No. Gfra2-1742M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Mouse
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 Mouse GFRα-2 is Mr 74 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 90 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -

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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. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	Gfra2 glial cell line derived neurotrophic factor family receptor alpha 2 [Mus musculus]
Synonyms	Gfra2; glial cell line derived neurotrophic factor family receptor alpha 2; GFR alpha 2; GFR alpha-2
Gene ID	14586
mRNA Refseq	NM_008115
Protein Refseq	NP_032141
UniProt ID	O08842
Chromosome Location	14 D3-E1
Function	receptor activity

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