

Active Recombinant Mouse Glial Cell Line Derived Neurotrophic Factor Family Receptor Alpha 3, His-tagged and Fc-tagged

Cat. No. Gfra3-5619M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gfra3 protein was expressed in Sf 21 with the Fc part of human IgG1 and a C-terminal 6-His tag. Glu34-Arg379.
Species	Mouse
Source	S. frugiperda
Protein Length	34-379 a.a.
Description	Mouse Gfra3 is a member of the GDNF family of receptors. It is one of four known members, all of which contain three conserved cysteine repeats. It is synthesized as a 397 aa precursor, with a hydrophobic signal sequence of 28 aa, a 343 aa mature segment, and a propeptide segment of 26 aa that is removed in the mature protein.
Form	Lyophilized from a 0.2 µm filtered solution in PBS and NaCl.
N-terminal Sequence	Met
Molecular Weight	66.2 kDa
Activity	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Mouse (rm) Artemin at 1 µg/mL can bind rmGfra3 Fc Chimera with an apparent $K_D < 5$

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	nM.
Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.
SDS-PAGE	70-75kDa, reducing conditions
Purity	>80%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Gfra3 glial cell line derived neurotrophic factor family receptor alpha 3 [Mus musculus]
Official Symbol	Gfra3
Synonyms	Gfra3; glial cell line derived neurotrophic factor family receptor alpha 3; Y15110; GFRalpha3; GDNF family receptor alpha-3; GFR alpha-3; GFR-alpha-3; GDNFR-alpha-3; GDNF receptor alpha-3
Gene ID	14587
mRNA Refseq	NM_010280
Protein Refseq	NP_034410

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UniProt ID	O35118
Chromosome Location	18 B1; 18
Function	axon guidance receptor activity; coreceptor activity; protein binding; receptor activity
PDB rendering based on 2gh0.	