

Mouse GFRA3 Protein

Cat. No. GFR-MM1A3



Description

Source	Recombinant Mouse GFRA3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asn29-Arg379.
Accession	O35118
Molecular Weight	The protein has a predicted MW of 40.3 kDa. Due to glycosylation, the protein migrates to 47-52 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

GDNF (glial-cell-line derived neurotrophic factor) is a potent neurotrophic factor for dopaminergic neurons. Neuropsychiatric diseases and their treatments are associated with alterations in the levels of both GDNF and its receptor family (GDNF family receptor alpha or GFRA). GFRA1, GFRA2 and GFRA3 are located in chromosomal regions with suggestive linkage to schizophrenia.

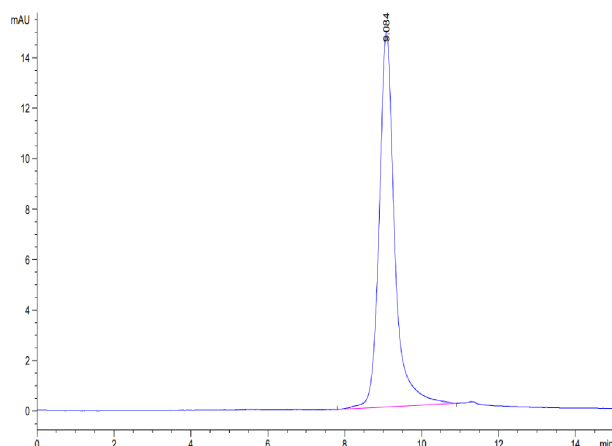
Assay Data

Tris-Bis PAGE



Mouse GFRA3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Mouse GFRA3 is greater than 95% as determined by SEC-HPLC.

Mouse GFRA3 Protein

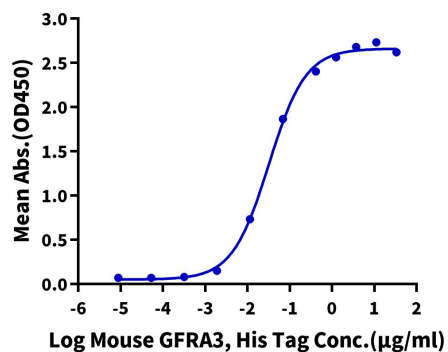
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Assay Data

ELISA Data

Mouse GFRA3, His Tag ELISA

0.5 μ g Mouse ARTN, hFc Tag Per Well



Immobilized Mouse ARTN, hFc Tag at 5 μ g/ml (100 μ l/well) on the plate. Dose response curve for Mouse GFRA3, His Tag with the EC₅₀ of 32.2ng/ml determined by ELISA.