

Datasheet for ABIN7274741

**GFRA1 Protein (AA 25-424) (His tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	GFRA1
Protein Characteristics:	AA 25-424
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GFRA1 protein is labelled with His tag.

## Product Details

Purpose:	Human GFR alpha 1 Protein
Sequence:	Asp25-Ser424
Characteristics:	Recombinant Human GFR alpha 1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp25-Ser424.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human GDNF, No Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Human GFR alpha 1, His Tag with the EC50 of 3.7 ng/ml determined by ELISA. See testing image for detail.

## Target Details

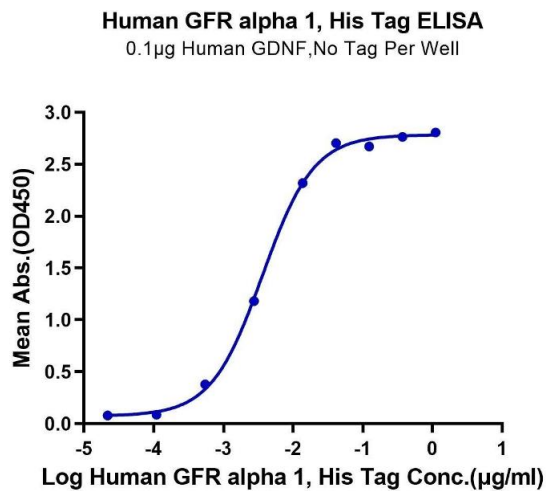
Target:	GFRA1
Alternative Name:	GFR alpha 1 ( <a href="#">GFRA1 Products</a> )
Background:	Neuroblastomas often undergo spontaneous differentiation and/or regression in vivo, which is at least partly regulated by the signals through neurotrophins and their receptors. Recently, glial cell line-derived neurotrophic factor (GDNF) and a second family member, neurturin (NTN), have been found to mediate their signals by binding to a heterotetrameric complex of c-Ret tyrosine kinase receptors and glycosylphosphatidylinositol-linked proteins, GFR alpha-1 (GDNFR-alpha) or GFR alpha-2 (TrnR2/GDNFR-beta/NTNR-alpha/RETL2).
Molecular Weight:	45.8 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
NCBI Accession:	<a href="#">NP_665736</a>

## Application Details

Restrictions:	For Research Use only
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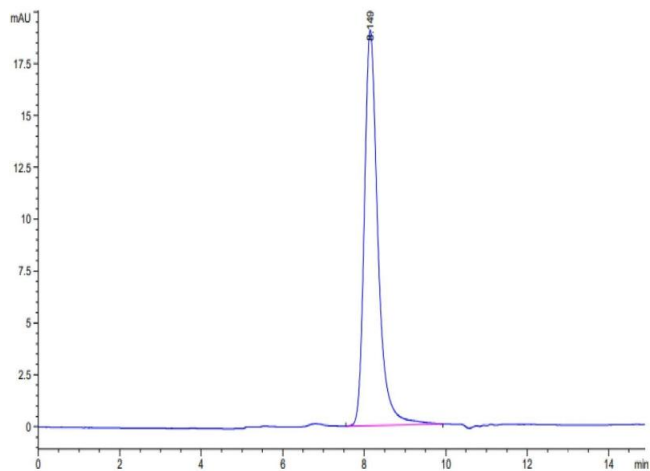
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-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.
Expiry Date:	12 months



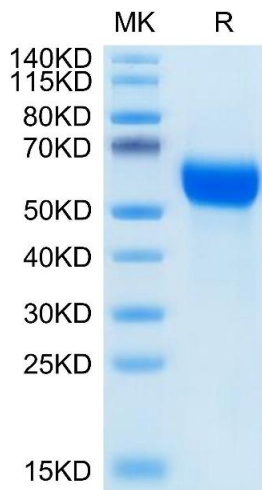
**ELISA**

**Image 1.** Immobilized Human GDNF, No Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Human GFR alpha 1, His Tag with the EC50 of 3.7 ng/mL determined by ELISA.



**Size-exclusion chromatography-High Pressure Liquid Chromatography**

**Image 2.** The purity of Human GFR alpha 1 is greater than 95 % as determined by SEC-HPLC.



**SDS-PAGE**

**Image 3.** Human GFR alpha 1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .