

Recombinant Rat GFRA1 cell lysate

Cat. No. GFRA1-961RCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rat GFRA1 / GFR alpha-1 derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
Species	Rat
Source	Human Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

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	reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	Gfra1 GDNF family receptor alpha 1 [<i>Rattus norvegicus</i>]
Official Symbol	GFRA1
Synonyms	GFRA1; GDNF family receptor alpha 1; GDNF family receptor alpha-1; GDNFR-alpha; GFR-alpha-1; RET ligand 1; GDNFR-alpha-1; GDNF receptor alpha; GDNF receptor alpha-1; TGF-beta-related neurotrophic factor receptor 1; Glial cell line-derived neurotrophic factor receptor alpha; glial cell line derived neurotrophic factor family receptor alpha 1;
Gene ID	25454
mRNA Refseq	NM_012959
Protein Refseq	NP_037091
Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Diurnally regulated genes with circadian orthologs, organism-

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specific biosystem; NCAM signaling for neurite out-growth, organism-specific biosystem; NCAM1 interactions, organism-specific biosystem;

Function

integrin binding; receptor activity; receptor activity;

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