Recombinant Human GFRA4 Cell Lysate, transcript variant 1

Cat. No. GFRA4-5951HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for GDNF family receptor alpha 4 (GFRA4), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Molecular Mass	28.5 kDa
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Preparation method	HEK293T cells in 10-cm dishes were transiently transfected with Transfection Reagent and 5ug cDNA plasmid. Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma),

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	1mM PMSF and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was measured by BCA kit (Thermo Scientific Inc.). Cell lysates were aliquoted and stored at -20ºC before shipping.
Size	0.1 mg
Storage Instruction	Upon receiving, store the sample at -20ºC. Lysate samples are stable for 12 months from date of receipt when stored at -20ºC. Avoid repeated freeze-thaw cycles.Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -20ºC for long term storage. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	GFRA4 GDNF family receptor alpha 4 [Homo sapiens]
Official Symbol	GFRA4
Synonyms	GFRA4; GDNF family receptor alpha 4; GDNF family receptor alpha-4; persephin receptor; GFR-alpha-4; GDNFR-alpha-4; GFR receptor alpha 4; GDNF receptor alpha-4;
Gene ID	64096
mRNA Refseq	NM_022139
Protein Refseq	NP_071422

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UniProt ID	Q9GZZ7
Chromosome Location	20p13-p12
Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; NCAM signaling for neurite out-growth, organism-specific biosystem; NCAM1 interactions, organism-specific biosystem;
Function	receptor activity;

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