

Recombinant Human NPR3 293 Cell Lysate

Cat. No. NPR3-3732HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C) (NPR3) 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.
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).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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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	NPR3 natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C) [Homo sapiens]
Official Symbol	NPR3
Synonyms	NPR3; natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C); ANPRC, C5orf23, chromosome 5 open reading frame 23 , NPRC; atrial natriuretic peptide receptor 3; FLJ14054; GUCY2B; atrial natriuretic peptide receptor type C; atrial natriuretic peptide clearance receptor; NPRC; ANP-C; ANPRC; NPR-C; ANPR-C; C5orf23; MGC22189;
Gene ID	4883
mRNA Refseq	NM_000908
Protein Refseq	NP_000899
MIM	108962
UniProt ID	P17342
Chromosome Location	5p14-p13
Function	hormone binding; natriuretic peptide receptor activity; peptide hormone binding;

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protein homodimerization activity; receptor activity;

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