

Recombinant Human RGN 293 Cell Lysate

Cat. No. RGN-2388HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for regucalcin (senescence marker protein-30) (RGN), 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.
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

RGN regucalcin (senescence marker protein-30) [Homo sapiens]

Official Symbol

RGN

Synonyms

RGN; regucalcin (senescence marker protein-30); regucalcin; RC; senescence marker protein 30; SMP30; SMP-30; gluconolactonase; senescence marker protein-30; GNL;

Gene ID

9104

mRNA Refseq

NM_004683

Protein Refseq

NP_004674

MIM

300212

UniProt ID

Q15493

Chromosome Location

Xp11.3

Pathway

Ascorbate and aldarate metabolism, organism-specific biosystem; Ascorbate and aldarate metabolism, conserved biosystem; Ascorbate biosynthesis, animals, glucose-1P => ascorbate, organism-specific biosystem; Ascorbate biosynthesis, animals, glucose-1P => ascorbate, conserved biosystem; Metabolic pathways,

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	organism-specific biosystem;
Function	calcium ion binding; calcium ion binding; enzyme regulator activity; gluconolactonase activity; hydrolase activity; zinc ion binding;

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