

Recombinant Human RHAG 293 Cell Lysate

Cat. No. RHAG-2366HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for Rh-associated glycoprotein (RHAG) 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

RHAG Rh-associated glycoprotein [Homo sapiens]

Official Symbol

RHAG

Synonyms

RHAG; Rh-associated glycoprotein; Rhesus blood group associated glycoprotein; ammonium transporter Rh type A; CD241; RH50A; SLC42A1; rh type A glycoprotein; rh family type A glycoprotein; Rhesus associated polypeptide, 50-KD; erythrocyte membrane glycoprotein Rh50; Rhesus blood group-associated glycoprotein; rhesus blood group family type A glycoprotein; rhesus blood group-associated ammonia channel; erythrocyte plasma membrane 50 kDa glycoprotein; RH2; Rh50; Rh50GP;

Gene ID

6005

mRNA Refseq

NM_000324

Protein Refseq

NP_000315

MIM

180297

UniProt ID

Q02094

Chromosome Location

6p12.3

Pathway

Rhesus glycoproteins mediate ammonium transport., organism-specific biosystem;

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SLC-mediated transmembrane transport, organism-specific biosystem;
Transmembrane transport of small molecules, organism-specific biosystem; Transport
of glucose and other sugars, bile salts and organic acids, metal ions and amine
compounds, organism-specific biosystem;

Function

ammonia transmembrane transporter activity; ammonium transmembrane transporter
activity; ammonium transmembrane transporter activity; ankyrin binding;

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