

Recombinant Human TCIRG1 293 Cell Lysate

Cat. No. TCIRG1-1175HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for T-cell, immune regulator 1, ATPase, H ⁺ transporting, lysosomal V0 subunit A3 (TCIRG1), 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

TCIRG1 T-cell, immune regulator 1, ATPase, H⁺ transporting, lysosomal V0 subunit A3 [Homo sapiens]

Official Symbol

TCIRG1

Synonyms

TCIRG1; T-cell, immune regulator 1, ATPase, H⁺ transporting, lysosomal V0 subunit A3; T cell, immune regulator 1 , T cell, immune regulator 1, ATPase, H⁺ transporting, lysosomal V0 protein a isoform 3 , T cell, immune regulator 1, ATPase, H⁺ transporting, lysosomal V0 protein A3; V-type proton ATPase 116 kDa subunit a isoform 3; a3; Atp6i; ATP6N1C; ATP6V0A3; OC 116; OC116; T cell immune response cDNA 7; TIRC7; OC-116 kDa; V-ATPase 116-kDa; T-cell immune response cDNA 7; ATPase, H⁺ transporting, 116kD; V-type proton ATPase 116 kDa subunit a; osteoclastic proton pump 116 kDa subunit; specific 116-kDa vacuolar proton pump subunit; vacuolar proton translocating ATPase 116 kDa subunit A; T-cell, immune regulator 1, ATPase, H⁺ transporting, lysosomal V0 protein a; Stv1; Vph1; OPTB1; OC-116kDa;

Gene ID

10312

mRNA Refseq

NM_006019

Protein Refseq

NP_006010

MIM

604592

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UniProt ID	Q13488
Chromosome Location	11q13.2
Pathway	Collecting duct acid secretion, organism-specific biosystem; Collecting duct acid secretion, conserved biosystem; Epithelial cell signaling in Helicobacter pylori infection, organism-specific biosystem; Epithelial cell signaling in Helicobacter pylori infection, conserved biosystem; Insulin receptor recycling, organism-specific biosystem; Iron uptake and transport, organism-specific biosystem; Lysosome, organism-specific biosystem;

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