

Recombinant Human ADAMTS4 293 Cell Lysate

Cat. No. ADAMTS4-9029HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ADAM metalloproteinase with thrombospondin type 1 motif, 4 (ADAMTS4) 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

ADAMTS4 ADAM metalloproteinase with thrombospondin type 1 motif, 4 [Homo sapiens]

Official Symbol

ADAMTS4

Synonyms

ADAMTS4; ADAM metalloproteinase with thrombospondin type 1 motif, 4; a disintegrin like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 4; A disintegrin and metalloproteinase with thrombospondin motifs 4; ADAMTS 2; ADMP 1; KIAA0688; ADAM-TS4; ADAM-TS 4; aggrecanase-1; a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 4; ADMP-1; ADAMTS-2; ADAMTS-4;

Gene ID

9507

mRNA Refseq

NM_005099

Protein Refseq

NP_005090

MIM

603876

UniProt ID

O75173

Chromosome Location

1q31-q32

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Pathway	Endochondral Ossification, organism-specific biosystem;
Function	metal ion binding; metalloendopeptidase activity; metallopeptidase activity; peptidase activity; protease binding; protein binding; zinc ion binding;

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