

Recombinant Human DUSP12 293 Cell Lysate

Cat. No. DUSP12-6782HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for dual specificity phosphatase 12 (DUSP12) 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

DUSP12 dual specificity phosphatase 12 [Homo sapiens]

Official Symbol

DUSP12

Synonyms

DUSP12; dual specificity phosphatase 12; dual specificity protein phosphatase 12; DUSP1; serine/threonine specific protein phosphatase; YVH1; YVH1 protein tyrosine phosphatase (S. cerevisiae) ortholog; YVH1 protein-tyrosine phosphatase ortholog; dual specificity tyrosine phosphatase YVH1;

Gene ID

11266

mRNA Refseq

NM_007240

Protein Refseq

NP_009171

MIM

604835

UniProt ID

Q9UNI6

Chromosome Location

1q21-q22

Function

hydrolase activity; kinase binding; metal ion binding; protein tyrosine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity; zinc ion binding;

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