

Recombinant Human C12orf5 293 Cell Lysate

Cat. No. C12orf5-8316HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for chromosome 12 open reading frame 5 (C12orf5) 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

C12orf5 chromosome 12 open reading frame 5 [Homo sapiens]

Official Symbol

C12orf5

Synonyms

C12ORF5; chromosome 12 open reading frame 5; probable fructose-2,6-bisphosphatase TIGAR; TIGAR; TP53 induced glycolysis and apoptosis regulator; transactivated by NS3TP2 protein; TP53-induced glycolysis and apoptosis regulator;

Gene ID

57103

mRNA Refseq

NM_020375

Protein Refseq

NP_065108

MIM

610775

UniProt ID

Q9NQ88

**Chromosome
Location**

12p13.32

Pathway

Direct p53 effectors, organism-specific biosystem; Fructose and mannose metabolism, organism-specific biosystem; Fructose and mannose metabolism, conserved biosystem;

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Function

fructose-2,6-bisphosphate 2-phosphatase activity; hydrolase activity;

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