

Recombinant Human C10orf2 293 Cell Lysate

Cat. No. C10orf2-8371HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for chromosome 10 open reading frame 2 (C10orf2), 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

C10orf2 chromosome 10 open reading frame 2 [Homo sapiens]

Official Symbol

C10orf2

Synonyms

C10ORF2; chromosome 10 open reading frame 2; infantile onset spinocerebellar ataxia (autosomal recessive) , IOSCA; twinkle protein, mitochondrial; FLJ21832; PEO; PEO1; twinkle; TWINKLE; TWINL; ataxin 8; mitochondrial twinkle protein; T7-like mitochondrial DNA helicase; progressive external ophthalmoplegia 1 protein; T7 gp4-like protein with intramitochondrial nucleoid localization; SCA8; ATXN8; IOSCA; PEOA3; SANDO; MTDPS7;

Gene ID

56652

mRNA Refseq

NM_001163812

Protein Refseq

NP_001157284

MIM

606075

UniProt ID

Q96RR1

Chromosome Location

10q24

Function

5-3 DNA helicase activity; ATP binding; hydrolase activity; nucleotide binding;

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protease binding; single-stranded DNA binding;

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