

# Recombinant Human PEG10 293 Cell Lysate

**Cat. No.** PEG10-3306HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>              | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>         | Antigen standard for paternally expressed 10 (PEG10), 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.                                                                                              |
| <b>Components</b>          | 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). |
| <b>Size</b>                | 0.1 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Instruction</b> | 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**

PEG10 paternally expressed 10 [ Homo sapiens ]

**Official Symbol**

PEG10

**Synonyms**

PEG10; paternally expressed 10; retrotransposon-derived protein PEG10; HB 1; KIAA1051; Mar2; Mart2; MEF3L; RGAG3; MEF3 like 1; MEF3-like protein 1; ty3/Gypsy-like protein; paternally expressed gene 10 protein; retrotransposon gag domain containing 3; myelin expression factor 3-like protein 1; mammalian retrotransposon-derived protein 2; retrotransposon-derived gag-like polyprotein; embryonal carcinoma differentiation regulated; retrotransposon gag domain-containing protein 3; embryonal carcinoma differentiation-regulated protein; EDR; HB-1;

**Gene ID**

23089

**mRNA Refseq**

NM\_015068

**Protein Refseq**

NP\_055883

**MIM**

609810

**UniProt ID**

Q86TG7

**Chromosome  
Location**

7q21

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|                 |                                                                                     |
|-----------------|-------------------------------------------------------------------------------------|
| <b>Pathway</b>  | Validated targets of C-MYC transcriptional activation, organism-specific biosystem; |
| <b>Function</b> | DNA binding; metal ion binding; protein binding; zinc ion binding;                  |