

## PEG10 抗原（重组蛋白）

中文名称： PEG10 抗原（重组蛋白）

英文名称： PEG10 Antigen (Recombinant Protein)

别名： EDR, HB-1, Mar2, MEF3L, Mart2, RGAG3

储存： 冷冻（-20℃）

相关类别： 抗原

### 概述

Fusion protein corresponding to C terminal 250 amino acids of human PEG10

### 技术规格

<b>Full name:</b>	paternally expressed 10
<b>Synonyms:</b>	EDR, HB-1, Mar2, MEF3L, Mart2, RGAG3
<b>Swissprot:</b>	Q86TG7
<b>Gene Accession:</b>	BC050659
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	This is a paternally expressed imprinted gene that encodes transcripts containing two overlapping open reading frames (ORFs), RF1 and RF1/RF2, as well as retroviral-like slippage and pseudoknot elements, which can induce a -1 nucleotide frame-shift. ORF1 encodes a shorter isoform with a CCHC-type zinc finger motif containing a sequence characteristic of gag proteins of most retroviruses and some retrotransposons. The longer isoform is the result of -1 translational frame-shifting leading to translation of a gag/pol-like protein combining RF1 and RF2. It contains the active-site consensus sequence of the protease domain of pol proteins.

Additional isoforms resulting from alternatively spliced transcript variants, as well as from use of upstream non-AUG (CUG) start codon, have been reported for this gene. Increased expression of this gene is associated with hepatocellular carcinomas.