

Human Retrotransposon-Derived Protein PEG10 (PEG10) ELISA Kit | PEG10 elisa kit

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CATALOG #
AAA331423

REACTIVITY
Human

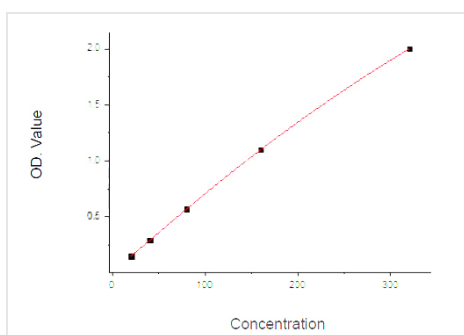
PRODUCT SYNONYMS

Retrotransposon-Derived Protein PEG10 (PEG10); Human Retrotransposon-Derived Protein PEG10 (PEG10) ELISA Kit; PEG10; Edr; HB-1; KIAA1051; MEF3L; Mar2; Mart2; RGAG3; MEF3 like 1; embryonal carcinoma differentiation regulated; retrotransposon gag domain containing 3; PEG10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	708
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PEG10 elisa kit

Principle of the Assay: Human Retrotransposon-derived protein PEG10 (PEG10) ELISA Kit employs a two-site sandwich ELISA to quantitate PEG10 in samples. An antibody specific for PEG10 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PEG10 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human PEG10 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of PEG10 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Background/Introduction: Paternally expressed gene 10 (PEG10) is a human retrotransposon-derived imprinted gene. The mRNA of PEG10 encodes two protein isoforms: the Gag-like protein (RF1PEG10) is coded by reading frame 1, while the Gag-Pol-like polypeptide (RF1/RF2PEG10) is coded by reading frames 1 and 2. The proteins are translated by a typical retroviral frameshift mechanism. The protease (PR) domain of RF2PEG10 contains an -Asp-Ser-Gly- sequence, which corresponds to the consensus -Asp-Ser/Thr-Gly- active-site motif of retroviral aspartic proteases. The function of the aspartic protease domain of RF2PEG10 remains unclear.

NCBI AND UNIPROT INFORMATION

NCBI GI # 172046699

NCBI GeneID	23089
UniProt Accession #	Q86TG7
NCBI Official Full Name	Retrotransposon-derived protein PEG10
NCBI Official Synonym Full Names	paternally expressed 10
NCBI Official Symbol	PEG10
NCBI Official Synonym Symbols	EDR; HB-1; Mar2; RTL2; MEF3L; Mart2; RGAG3; SIRH1
NCBI Protein Information	retrotransposon-derived protein PEG10
UniProt Protein Name	Retrotransposon-derived protein PEG10
UniProt Gene Name	PEG10
UniProt Synonym Gene Names	EDR; KIAA1051; MAR2; MART2; MEF3L1; RGAG3; MEF3-like protein 1
UniProt Entry Name	PEG10_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/retrotransposon-derived-protein-peg10-peg10/331423>