

Recombinant Human PEG10/EDR protein ab161530

1 Image

Description	
Product name	Recombinant Human PEG10/EDR protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MTERRRDELSEEINNLRKVMKQSEENNNLQSQVQKLTE ENTTLREQVEP TPEDEDDDIELRGAAAAAAPPPIEEECPEDLPEKFDGN PDMLAPFMAQC QIFMEKSTRDFSVDVRVCFVTSMMTGRAARWASAKLER SHYLMHNYPAF MMEMKHVFEDPQRREVAKRKIRRLRQGMGSVIDYSNAFQ MIAQDLDWNEP ALIDQYHEGLSDHIQEELSHLEVAKSLSALIGQCIHIERRLAR AAAARKP RSPPRALVLPFIASHHQVDPTEPVGGARMRLTQEEKERR RKLNLCLYCGTGGHYADNCPAKASKSSPAGNSPAPL
Amino acids	1 to 325
Tags	GST tag N-Terminus

Specifications	
Our Abpromise guarantee covers the use of ab161530 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	ELISA Western blot
Form	Liquid
Additional notes	This product was previously labelled as PEG10.

Preparation and Storage

Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function

Prevents apoptosis in hepatocellular carcinoma (HCC) cells through interaction with SIAH1, a mediator of apoptosis. May also have a role in cell growth promotion and hepatoma formation. Inhibits the TGF-beta signaling by interacting with the TGF-beta receptor ALK1. When overexpressed, induces the formation of cellular extension, such as filipodia in association with ALK1. Involved at the immediate early stage of adipocyte differentiation (By similarity). May bind to the 5'-GCCTGTCTTT-3' DNA sequence of the MB1 domain in the myelin basic protein (MBP) promoter.

Tissue specificity

Expressed in the cytotrophoblast layer but not in the overlying syncytiotrophoblast of the placenta. Expressed in prostate and breast carcinomas but not in normal breast and prostate epithelial cells. Expressed in the HepG2 cell line (at protein level). Expressed in brain, liver, spleen, kidney, thymus, lung, ovary, testis, reactive lymph node, skeletal muscle, adipose tissue and placenta. Expressed in pancreatic and hepatocellular carcinomas (HCC).

Sequence similarities

Contains 1 CCHC-type zinc finger.

Developmental stage

Expressed in placenta during the first trimester of gestation (at protein level). In placenta, down-regulated at early hypoxic phase, and highly activated at 11-12 week of gestation.

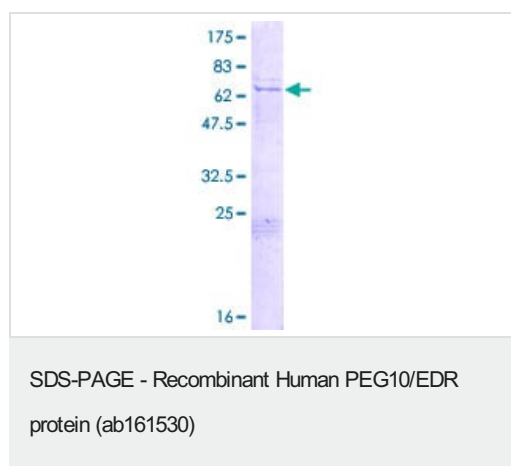
Post-translational modifications

Isoform RF1/RF2 undergoes proteolytic cleavage.

Cellular localization

Nucleus. Cytoplasm. Detected predominantly in the cytoplasm of breast and prostate carcinomas, in hepatocellular carcinoma (HCC) and B-cell chronic lymphocytic leukemia (B-CLL) cells and in the HepG2 cell line. Colocalized with ALK1.

Images



ab161530 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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