

# Recombinant Human RCAS1 / EBAG9 protein (His tag)

Catalog Number:PDEH100304

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

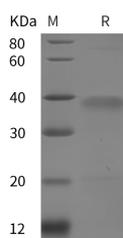
## Description

<b>Synonyms</b>	Receptor-binding cancer antigen expressed on SiSo cells;EBAG9;RCAS1;Cancer-associated surface antigen RCAS1;Estrogen receptor-binding fragment-associated gene 9 protein
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Arg 28-Ser 213
<b>Accession</b>	O00559
<b>Calculated Molecular Weight</b>	20.4 kDa
<b>Observed molecular weight</b>	39 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

RCAS1, also known as EBAG9, is a tumor-associated antigen that is expressed at high frequency in a variety of cancers. RCAS1 gene was identified as an estrogen-responsive gene. Regulation of transcription by estrogen is mediated by estrogen receptor which binds to the estrogen-responsive element (ERE) found in the 5'-flanking region of RCAS1 gene. Two transcript variants differing in the 5' UTR, but encoding the same protein, have been identified for RCAS1 gene. EBAG9 may participate in suppression of cell proliferation and induces apoptotic cell death through activation of interleukin-1-beta converting enzyme (ICE)-like proteases.

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Fax: 1-832-243-6017