

Recombinant Human RCAS1 / EBAG9 Protein (His Tag)

Catalog Number: PDEH100958

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

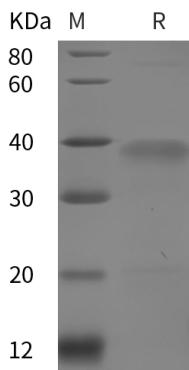
Description

Species	Human
Source	E.coli-derived Human RCAS1 protein Arg28-Ser213, with an N-terminal His
Calculated MW	20.4 kDa
Observed MW	39 kDa
Accession	O00559
Bio-activity	Not validated for activity

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human RCAS1 / EBAG9 proteins, 2 µg/lane of Recombinant Human RCAS1 / EBAG9 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 39 kDa.

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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