

Recombinant human EBAG9 protein

Catalog Number: EBA0901

PRODUCT INFORMATION

Expression system

E.coli

Domain

28-213aa

UniProt No.

O00559

NCBI Accession No.

NP_004206

Alternative Names

Estrogen receptor binding site associated antigen 9, EB9, PDAF, RCAS1, Estrogen receptor binding site associated antigen 9, EBAG9, Estrogen receptor binding site associated, antigen 9 BAG9, Cancer associated surface antigen, Cancer associated surface antigen RCAS1, EBAG 9, Estrogen receptor binding fragment associated gene 9 protein, PDAF, RCAS 1, RCAS1, Receptor binding cancer antigen expressed on SiSo cells.

PRODUCT SPECIFICATION

Molecular Weight

23.4 kDa (207aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 2mM EDTA, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Estrogen receptor binding site associated antigen 9, also known as EBAG9, is a type III transmembrane protein that is predominantly located in the Golgi. This protein is a tumor-associated antigen that is expressed at high frequency in a variety of cancers, such as advanced breast and prostate cancers. As the EBAG9 acts to inhibit

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the growth of receptor-binding cells and induced apoptosis of immune cells, cancer cells might evade immune surveillance. So immunodetection of EBAG9 expression can be a negative prognostic indicator. Recombinant human EBAG9 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH M>RSGRGRKLS GDQITLPTTV DYSSVPKQTD VEEWTSWDED APTSVKIEGG
NGNVATQQNS LEQLEPDYFK DMTPTIRKTQ KIVIKKREPL NFGIPDGSTG FSSRLAATQD LPFIHQSSSEL GDLDTWQENT
NAWEEEEEDAA WQAEEVLRQQ KLADREKRAA EQQRKKMEKE AQRLMKKEQN KIGVKLS

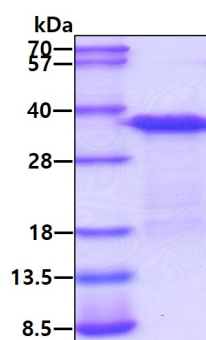
General References

Kumagai J., et al.,(2009) Int J Cancer.124(4):816-26.

Yoshida S., et al.,(2008) J Rheumatol. 35(9):1716-22.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.