

Recombinant Human Estrogen Receptor Binding Site Associated, Antigen, 9, His-tagged

Cat. No. EBAG9-385H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EBAG9 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques, 23.4 kDa (207 aa).
Species	Human
Source	E.coli
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 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.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MRSGRGRKLS GDQITLPTTV DYSSVPKQTD VEEWTSWDED APTSVKIEGG NGNVATQQNS LEQLEPDYFK DMTPTIRKTQ KIVIKKREPL NFGIPDGSTG FSSRLAATQD LPFIHQSSSEL GDLDTWQENT NAWEEEEEDAA WQAEVLRQQ KLADREKRAA EQQRKKMEKE AQRLMKKEQN KIGVKLS
Formulation	Liquid in 20 mM Tris pH 8.0, 1 mM DTT, 2 mM EDTA, 10% glycerol

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Purity	> 90% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	EBAG9 estrogen receptor binding site associated, antigen, 9 [Homo sapiens]
Synonyms	EBAG9; estrogen receptor binding site associated, antigen, 9; EB9; PDAF; RCAS1; estrogen receptor binding site associated antigen 9; cancer associated surface antigen; Receptor-binding cancer antigen expressed on SiSo cells; Cancer-associated surface antigen RCAS1; Estrogen receptor-binding fragment-associated gene 9 protein
Gene ID	9166
mRNA Refseq	NM_004215
Protein Refseq	NP_004206
MIM	605772
UniProt ID	O00559
Chromosome Location	8q23
Function	apoptotic protease activator activity

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