



S-probe (SBSTAGc): sc-69832

BACKGROUND

Plasmid vectors for the expression of coding regions of eukaryotic genes in bacterial, insect and mammalian hosts are in common usage; such expression vectors are frequently used to encode fusion proteins consisting of a eukaryotic target protein and a specialized region designed to aid in the purification or quantification of the target protein. A novel system that addresses the issue of protein quantification utilizes an enzymatically cleaved derivative of bovine RNase A, called RNase S. RNase S is composed of the S-peptide (residues 1-20) and the S-protein (residues 21-124), which together form the active enzyme. Although the S-protein itself is inactive, addition of the S-peptide, or a fusion protein tagged with the S-peptide, will reconstitute its enzymatic activity which can then be assayed on a poly(C) substrate and quantified by spectroscopy.

REFERENCES

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SOURCE

S-probe (SBSTAGc) is a mouse monoclonal antibody raised against recombinant S-Tag.

PRODUCT

Each vial contains 100 μ g IgG_{2b} in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

S-probe (SBSTAGc) is recommended for detection of S-Tag by flow cytometry (1 μ g per 1 x 10⁶ cells).

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.