

101Bio Non-Denatured Protein Solubilization Reagent

Cat. #: P5W10 (10 ml)

Shipping and Storage: Ship at ambient temperature and stored at RT.

Shelf Life: 12 months

Product Description:

This reagent is formulated for dissolving protein pellets extracted using protein kits (such as 101Bio Cat.#: P503, P511, P513, P518 and P523 kits). The solubilized proteins are non-denatured and can be used for ELISA, immunoprecipitation/Co-IP, enzymatic activity determination and other applications. This product is for research use only.

Product Contents (store at RT)

Component	Amount
101Bio Non-Denatured Protein Solubilization Reagent	10 ml

Protocol:

1. Add proper amount of reagent to protein pellet derived from above kits (Cat.#: P503, P511, P513, P518 and P523 kits) or other methods. The volume used depends on the size of the pellet and protein concentration required for downstream experiment. Usually 50-200 µl /sample is good for most cases.
2. Resuspend the protein pellet in the reagent by pipetting up and down repeatedly (try to avoid bubbles). Centrifuge the solubilized protein in a tabletop centrifuge at top speed for 1-2 minutes to remove insoluble components and take supernatant for downstream applications. BCA assay is recommended for determination of protein concentration.
3. The efficacy of membrane protein solubilization by non-denaturing reagent could vary among different samples. In some cases, to further increase the protein solubility, chaps (a zwitterionic detergent, sigma) can be added to the reagent to a final concentration of 1-4%.

Related products

Cat.#	Kit Name	Application	Protein Status	Minute
P501	Total protein kit	cells → total protein	denatured / native	1 ~ 8
P502	Total protein kit	tissues → total protein	denatured / native	1 ~ 8
P503	Membrane protein kit	cells / tissues → membrane protein	native , detergent-free	20 ~ 45
P504	Nuclear protein kit	cells / tissues → nuclear & cytosol protein	native	6 ~ 8
P505	Detergent-free kit	cells → total protein	denatured / native	5 ~ 8
P506	Detergent-free kit	Tissues → total protein	denatured / native	5 ~ 8
P507	Mitochondria kit	cells / tissues → mitochondria	native, detergent-free	25 ~ 30
P508	Plant total protein	plant tissues → total protein	denatured/native	5 ~ 8

P510	Plant detergent-free	plant tissues	➡	total protein	native	6 ~ 8
P511	Plant chloroplast kit	plant tissues	➡	intact chloroplast		5
P518	Plant Microsomal Membrane	plant tissues	➡	microsomal membrane	native	1 hr
P512	Bacteria total protein	bacteria	➡	total protein	denatured	2 ~ 3
P513	Nuclear envelope kit	cells	➡	nuclear envelope	native	< 45
P514	Histone/DNA binding protein	cells	➡	histone & dna binding protein	denatured	< 10
P515	Thick cell wall microbes	microbes	➡	total protein	denatured / native	< 10
P516	Detergent-free thick cell wall	microbes	➡	total protein	denatured / native	10
P517	Yeast Mitochondria	yeast	➡	mitochondria	native	60
P518	Plant Microsomal Membrane	plant	➡	microsomal membrane	native	60
P519	Gel slice recovery kit	PAGE gel	➡	protein	denatured / native	10 ~ 20
P521	Hair & nail protein kit	hair, nail	➡	protein	denatured	5 min. hands on
P522	Adipose protein kit	adipose	➡	total protein	denatured / native	20
P523	Adipose fractionation	adipose	➡	water soluble/insoluble protein	native	40
P524	Nuclei isolation kit	cells / tissues	➡	intact nuclei	native, detergent-free	20
P525	FFPE protein kit	FFPE tissues	➡	protein	denatured	60
P528	Endosome isolation kit	cells / tissues	➡	endosome	denatured	20 min. hands on
P529	Adipose nuclei isolation kit	adipose tissues	➡	nuclei & cytosol	native	30

– The end –