

Product Datasheet

Total Protein Extraction Kit

NBP2-37853

Unit Size: 1 Kit

Storage is content dependent.

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Updated 1/8/2024 v.20.1

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NBP2-37853**Total Protein Extraction Kit****Product Information**

Unit Size	1 Kit
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Storage is content dependent.
Buffer	50 x PI: A cocktail of protease inhibitors; 260 ul TM Buffer: HEPES (pH7.9), MgCl ₂ , KCl, EDTA, Sucrose, Glycerol, Sodium deoxycholate, NP-40, SodiumOrthoVanadate; 13 ml

Product Description

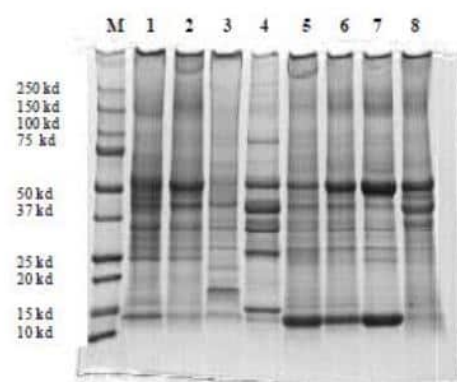
Description	<p>Novus biologicals Total Protein Extraction Kit is an excellent tool for purification and preparation of proteins from tissues or cells. Total protein isolated with this kit has native conformation and can be used for downstream applications such as: SDS-PAGE, Western Blotting, protein assays and other procedures. This kit is easy to use: no scraping, no freeze-thaw cycles, and no sonication.</p> <p>Fast and easy protocol - generate total protein samples in 45 minutes. Isolate protein from large samples of tissue or cultured cells. Reagent is provided for up to 5.2 grams of tissue or 130 million cultured cells. Rapid isolation without freeze-thaw and sonication. Proteins isolated by this kit are intact and could be over 200 kd in mass.</p>
Species	Human
Kit Components	50 x PI: A cocktail of protease inhibitors; 260 ul, TM Buffer: HEPES (pH7.9), MgCl ₂ , KCl, EDTA, Sucrose, Glycerol, Sodium deoxycholate, NP-40, SodiumOrthoVanadate; 13 ml

Product Application Details

Applications	Western Blot, Immunoprecipitation, SDS-Page
Recommended Dilutions	Western Blot, Immunoprecipitation, SDS-Page
Application Notes	The Total Protein Extraction Kit is composed of two buffers: TM and 50X PI. Before isolation of total proteins from tissues or cells, simply dilute the 50X PI buffer with TM buffer according to the instruction in the manual. The kit can be used for isolation of total proteins from 5 gram of tissue or 250 million cultured cells. Recommended minimal 0.1 g tissue or 2.5 million cells per reaction, but for some high protein yield tissue or cells, minimal amount of specimen can be even smaller with proportionally less reagent.

Images

SDS-Page: Total Protein Extraction Kit [NBP2-37853] - 50 ug total proteins on 4-20% gradient SDS-PAGE gel. Total proteins were isolated from 8 different human tissues. Lane 1, Liver; lane 2, Kidney; lane 3, Brain; lane 4, Skeletal Muscle; lane 5 Spleen; lane 6, Lung; lane 7, Placenta; and lane 8, Stomach



Publications

El Tabaa MM, El Tabaa MM, Elgharabawy RM, Abdelhamid WG Suppressing NLRP3 activation and PI3K/AKT/mTOR signaling ameliorates amiodarone-induced pulmonary fibrosis in rats: a possible protective role of nobiletin *Inflammopharmacology* 2023-03-22 [PMID: 36947298]

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Khedr NF, Talkan OFA New insights into arsenic, lead, and iron neurotoxicity: Activation of MAPK signaling pathway and oxidative stress *Journal of biochemical and molecular toxicology* 2022-03-20 [PMID: 35307918]

Wang J, Xiao K, Hou F et al. POU2F1 Promotes Cell Viability and Tumor Growth in Gastric Cancer through Transcriptional Activation of lncRNA TTC3-AS1 *Journal of oncology* 2021-06-28 [PMID: 34257651]

Li B, Wu Y LncRNA TUG1 overexpression promotes apoptosis of cardiomyocytes and predicts poor prognosis of myocardial infarction *J Clin Pharm Ther* 2020-08-07 [PMID: 32767580] (Human)

Wang J, Dong S, Zhang J Et Al. LncRNA NR2F1-AS1 Regulates miR-371a-3p/TOB1 Axis to Suppress the Proliferation of Colorectal Cancer Cells *Cancer Biother. Radiopharm.* 2020-05-14 [PMID: 32407174] (Human)

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Li X, Song F, Sun H Long non-coding RNA AWPPH interacts with ROCK2 and regulates the proliferation and apoptosis of cancer cells in pediatric T-cell acute lymphoblastic leukemia *Oncology letters* 2020-11-01 [PMID: 32973953]

Li L, Zhu J, Ye F et al. Upregulation of the lncRNA SRLR in polycystic ovary syndrome regulates cell apoptosis and IL-6 expression *Cell Biochem. Funct.* 2020-01-30 [PMID: 31999854]

Zhao H, Su W, Sun Y, Wu Z WBSCR22 Competes with Long Non-coding RNA Linc00346 for miR-509-5p Binding Site to Regulate Cancer Stem Cell Phenotypes of Colorectal Cancer *Biochem. Genet.* 2020-02-01 [PMID: 32008219]

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