

Certificate of Analysis

Product Name:

- Total Protein
- Membrane Protein
- Universal Protein Lysate
- Human Total Protein Matched Pair (PP/PM)

Catalog No.: P1xxxxxx
Catalog No.: P3xxxxxx
Catalog No.: P4xxxxxx
Catalog No.: P823XXXX-PP/PM

Shipping Condition: Dry Ice

Storage Condition: Store the protein lysate at -70°C for long term storage. After the protein is thawed, store it at 2 - 8°C for continuous use. Avoid freeze and thaw cycles!

Shelf Life: Half a year from the date of receipt under proper storage condition

Description

All the protein lysates were prepared from liquid nitrogen fresh frozen tissues. Total protein and universal protein lysates were prepared by Biochain's Total Protein Extraction Kit (**Cat# K3011010**). Other protein lysates were prepared by Biochain's CNMCS Compartmental Protein Isolation Kit (**Cat# K3013010**)

- **The total protein** is provided in a buffer including HEPES (pH7.9), MgCl₂, KCl, EDTA, Sucrose, Glycerol, Sodium deoxycholate, NP-40, and a cocktail of protease inhibitors
- **The membrane protein** is provided in a buffer including Tris-HCl, NaCl, TritonX-100, Glycerol, and a cocktail of protease inhibitors
- **Human Universal Protein Lysate** is prepared from major organs of both male and female adult donors
- **Dog Universal Protein Lysate** is prepared from major organs of both male and female adult donors
- **Monkey (Cynomolgus or Rhesus) Universal Protein Lysate** is prepared from major organs of both male and female adult donors
- **Mouse Universal Protein Lysate** is prepared from several male and female Balb/C mice whole bodies without fur
- **Rat Universal Protein Lysate** is prepared from several male and female Sprague Dawley or Wistar rat whole bodies without fur
- **Human tumor protein matched products** include: Primary Pair (PP), or Primary and Metastasis Pair (PM). PP consists of total protein isolated from primary tumor and its adjacent normal tissue; PM consists of total protein from primary tumor and corresponding metastatic tumor. Total proteins in each pair are prepared from the same donor. This product line is designed for identifying tumor-specific genes and tumor metastasis genes

Quality Control

1. The isolated protein pattern on SDS-PAGE gel is visualized by Coomassie blue staining, the pattern is consistent with each lot.
2. The isolated protein is analyzed by Western Blot using an antibody to • GAPDH for total protein and universal total protein • Na/K ATPase for membrane protein. The expression level is consistent with each lot.

FOR IN VITRO RESEARCH USE ONLY

APPROVED BY: _____

