BioChain®
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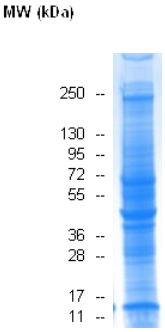
Certificate of Analysis

Product Name: Total Protein Lysate – Liver Cirrhosis: Appendix
Catalog No.: P1236006Lcs **Lot No.: B902014**
Species: ■ Human □ Mouse □ Rat □ Monkey (Rh) □ Guinea Pig □ Porcine
□ Bovine □ Hamster □ Dog □ Monkey (Cy) □ Rabbit □ Plant
Tissue Type: □ Normal ■ Adult □ Fetal □ Tumor ■ Disease □ Cell Line
Donor Information:
Male: 70 year(s) old Pool of 1 donor(s)
Female: _____ year(s) old Pool of _____ donor(s)
Clinical Diagnosis: Liver Cirrhosis

Packaging: 1 mg per vial; **Concentration:** 5 mg/ml.
Quality Control: Protein lysate is verified on SDS-PAGE comparing to standard protein lysate.



Protein lysate can be validated by Western Blot using specific biomarker: GAPDH for total protein, cytoplasmic and universal total protein; Histone for nuclear protein; Na/K ATPase for membrane protein; Vimentin for cytoskeleton protein.
Uses: Western Blot (10 µg to 20 µg per lane is recommended for a mini gel), Immunoprecipitation, Electrophoresis, Enzymatic activity analysis, protein-protein interaction, gel shift assay, tissue specific expression, and mass spec. analysis.
Buffer:

Location	Buffer Components*
Total protein	HEPES (pH7.9), KCl, Sucrose, Sodium deoxycholate, and NP-40
Membrane protein	The same as above.
Nuclear protein	HEPES (pH7.9), NaCl
Cytoplasmic protein	HEPES (pH7.9), KCl, and Sucrose.
Cytoskeleton protein	PIPES (pH 6.8), NaCl, SDS, and Sucrose

Note: *Each buffer contains, $MagCl_2$, EDTA, Glycerol, and a cocktail of protease inhibitors

Storage: Store at 2-8ºC for continuous use within a day. For extended storage, freeze working aliquots at -70ºC. Repeated freezing and thawing is not recommended. Under proper storage conditions the shelf life is six months from the date of receipt.
Shipping: Dry Ice
User's Note: Products are intended for laboratory research purposes only and should be used by qualified personnel only.

APPROVED BY: Christian A Perry II