

Technically
Speaking

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Conveniently Delivering You Today's Innovations
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LYSATES FROM CELL LINES AND NORMAL MOUSE TISSUE

Ideal for biomarker identification and screening, antibody detection and characterization, protein expression and interaction studies, ligand binding, ELISA, immunoprecipitation, 1D and 2D gel electrophoresis and blotting. Tissues and cell lines are flash frozen within 5-10 minutes of removal. These same lysates are available in Western Blot dipsticks (**Dip-N-Blots™**).

Embryonic Mouse Hypothalamic Cell Line Lysates

<i>Catalog Number</i>	<i>Cell Line</i>	<i>Catalog Number</i>	<i>Cell Line</i>
CLU-L-101	mHypoE-1 (N1)	CLU-L-115	mHypoE-29/4 (N29/4)
CLU-L-102	mHypoE-3 (N3)	CLU-L-116	mHypoE-36/1 (N36/1)
CLU-L-104	mHypoE-6 (N6)	CLU-L-117	mHypoE-37 (N37)
CLU-L-105	mHypoE-7 (N7)	CLU-L-118	mHypoE-38 (N38)
CLU-L-106	mHypoE-8 (N8)	CLU-L-119	mHypoE-39 (N39)
CLU-L-107	mHypoE-11 (N11)	CLU-L-120	mHypoE-40 (N40)
CLU-L-108	mHypoE-20/1 (N20/1)	CLU-L-121	mHypoE-41 (N41)
CLU-L-109	mHypoE-20/2 (N20/2)	CLU-L-122	mHypoE-42 (N42)
CLU-L-110	mHypoE-25/2 (N25/2)	CLU-L-127	mHypoE-43/5 (N43/5)
CLU-L-111	mHypoE-25/3 (N25/3)	CLU-L-136	mHypoE-44 (N44)
CLU-L-112	mHypoE-29/1 (N29/1)	CLU-L-137	mHypoE-45 (N45)
CLU-L-113	mHypoE-29/2 (N29/2)	CLU-L-138	mHypoE-46 (N46)
CLU-L-114	mHypoE-29/3 (N29/3)	CLU-L-139	mHypoE-47 (N47)

Adult Mouse Hypothalamic Cell Line Lysates

<i>Catalog Number</i>	<i>Cell Line</i>	<i>Catalog Number</i>	<i>Cell Line</i>
CLU-L-172	mHypoA-1/2 (A1/2)	CLU-L-186	mHypoA-2/26 (A2/26)
CLU-L-173	mHypoA-1/3 (A1/3)	CLU-L-187	mHypoA-2/27 (A2/27)
CLU-L-177	mHypoA-2/12 (A2/12)	CLU-L-188	mHypoA-2/28 (A2/28)
CLU-L-181	mHypoA-2/21 (A2/21)	CLU-L-189	mHypoA-2/29 (A2/29)
CLU-L-183	mHypoA-2/23 (A2/23)	CLU-L-190	mHypoA-2/30 (A2/30)
CLU-L-184	mHypoA-2/24 (A2/24)	CLU-L-191	mHypoA-2/31 (A2/31)
CLU-L-185	mHypoA-2/25 (A2/25)	CLU-L-192	mHypoA-2/32 (A2/32)

Normal Tissue and Cell Line Lysates

<i>Catalog Number</i>	<i>Cell Line</i>
CLU-L-140	Mouse motor neuron-like NSC-34
CLU-L-HYP	Mouse hypothalamus

Continued Overleaf.....

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registered company.

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Concentration: 1 mg/ml, 100 µg/vial.

The vial is provided with a 10% overfill. Maximum recovery can be obtained by centrifuging the vial briefly to collect any solution on the cap and tube sides.

Storage: Aliquot single use volumes to avoid repeated freeze/thaw cycles.

From time of receipt, this product is stable for 3 months at –20°C, or 12 months at –70°C.

Lysate Preparation: Tissue specimens are homogenized in modified RIPA buffer to obtain the soluble proteins, and centrifuged to clarify. The lysate solution may appear turbid at cold temperatures due to insolubility of buffer components. The solution should clear upon warming to room temperature.

<i>Extraction 1:</i>	PBS, pH 7.4	1 µg/ml Aprotinin	1 mM NaF
<i>Modified RIPA Buffer:</i>	1 mM EDTA	1 µg/ml Pepstatin-A	0.1% SDS
	0.25% Na deoxycholate	1 µg/ml Leupeptin	1 mM PMSF
	1 mM Na ₃ VO ₄		

Application: These lysates have not been subjected to denaturing or reducing conditions. This allows the tissue or cell lysate to be used in a variety of applications; to study protein-protein interaction, ligand binding, ELISA, immunoprecipitation, 1D and 2D gel electrophoresis, and Western blotting for the detection of specific protein targets. For use in 1D and 2D gel electrophoresis, the addition of a denaturing gel loading buffer with reducing agents may be required.

Buffer requirements for performing protein-protein interaction and ligand binding studies can vary significantly from RIPA buffer and may require modifications. In most cases, tissue lysates in RIPA buffer can be used, directly in standard ELISA and immunoprecipitation assays.

Source: *Cell lines:* CELLutions Biosystems.

Mouse tissue: Normal mice, euthanised by hyperbaric CO₂, in accordance with methods approved by the AVMA Panel on Euthanasia.

Tissues and cells are collected and flash frozen, prior to preparation of the lysates.

Microarrays, Lysates and Dip-n-Blots™ were co-developed in collaboration with Protein Biotechnologies Inc. www.proteinbiotechnologies.com.

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