



PROTEIN BIOTECHNOLOGIES

LYSATES FROM ADULT AND EMBRYONIC MOUSE HYPOTHALAMIC CELL LINES AND CONTROLS

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.

These same lysates are available in SOMAPLEX™ REVERSE PHASE PROTEIN MICROARRAY and as pre-run Western Blot test strips (Dip-N-Blots™).

ADULT AND EMBRYONIC MOUSE HYPOTHALAMIC WHOLE CELL LYSATES

<i>Catalog Number</i>	<i>Embryonic Mouse Hypothalamic Cell Lines</i>	<i>Catalog Number</i>	<i>Adult Mouse Hypothalamic Cell Lines</i>
EMH-W-101	N1 (mHypoE-1) CLU 101	AMH-W-101	mHypoA-1/2 CLU 172
EMH-W-102	N3 (mHypoE-3) CLU 102	AMH-W-101	mHypoA-1/3 CLU 173
EMH-W-103	N4 (mHypoE-4) CLU 103	AMH-W-103	mHypoA-2/4 CLU 174
EMH-W-104	N6 (mHypoE-6) CLU 104	AMH-W-104	mHypoA-2/6 CLU 175
EMH-W-105	N7 (mHypoE-7) CLU 105	AMH-W-105	mHypoA-2/10 CLU 176
EMH-W-106	N8 (mHypoE-8) CLU 106	AMH-W-106	mHypoA-2/12 CLU 177
EMH-W-107	N11 (mHypoE-11) CLU 107	AMH-W-107	mHypoA-1/1 CLU 178
EMH-W-108	N20/1 (mHypoE-20/1) CLU 108	AMH-W-108	mHypoA-1/6 CLU 179
EMH-W-109	N20/2 (mHypoE-20/2) CLU 109	AMH-W-109	mHypoA-1/9 CLU 180
EMH-W-110	N25/2 (mHypoE-25/2) CLU 110	AMH-W-110	mHypoA-2/21 CLU 181
EMH-W-111	N25/3 (mHypoE-25/3) CLU 111	AMH-W-111	mHypoA-2/22 CLU 182
EMH-W-112	N29/1 (mHypoE-29/1) CLU 112	AMH-W-112	mHypoA-2/23 CLU 183
EMH-W-113	N29/2 (mHypoE-29/2) CLU 113	AMH-W-113	mHypoA-2/24 CLU 184
EMH-W-114	N29/3 (mHypoE-29/3) CLU 114	AMH-W-114	mHypoA-2/25 CLU 185
EMH-W-115	N29/4 (mHypoE-29/4) CLU 115	AMH-W-115	mHypoA-2/26 CLU 186
EMH-W-116	N36/1 (mHypoE-36/1) CLU 116	AMH-W-116	mHypoA-2/27 CLU 187
EMH-W-117	N37 (mHypoE-37) CLU 117	AMH-W-117	mHypoA-2/28 CLU 188
EMH-W-118	N38 (mHypoE-38) CLU 118	AMH-W-118	mHypoA-2/29 CLU 189
EMH-W-119	N39 (mHypoE-39) CLU 119	AMH-W-119	mHypoA-2/30 CLU 190
EMH-W-120	N40 (mHypoE-40) CLU 120	AMH-W-120	mHypoA-2/31 CLU 191
EMH-W-121	N41 (mHypoE-41) CLU 121	AMH-W-121	mHypoA-2/32 CLU 192
EMH-W-122	N42 (mHypoE-42) CLU 122	AMH-W-122	mHypoA-2/33 CLU 193
EMH-W-123	N43/5 (mHypoE-43/5) CLU 127	AMH-W-123	mHypoA-2/34 CLU 194
EMH-W-124	N44 (mHypoE-44) CLU 136		
EMH-W-125	N45 (mHypoE-45) CLU 137	<i>Catalog Number</i>	<i>Control Lysates</i>
EMH-W-126	N46 (mHypoE-46) CLU 138	CCL-W-101	Normal Mouse Hypothalamus
EMH-W-127	N47 (mHypoE-47) CLU 139	CCL-W-102	NMSC-34 Motor Neuron-Like Hybrid Cell Line



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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_3VO_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 Inc., Burlington, Ontario, Canada L7L 5R2

Mouse and rat tissues: Normal mice and rats, euthanised by hyperbaric CO_2 , 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.

For Research Use Only