

# Human Hippocampus(Alzheimer's Disease) Membrane Lysate

**Cat. No.** Hippocampus-2H    **Lot. No.** (See product label)

## SPECIFICATION

|                                |                                                                                                                                                                                                                                                                                                                                     |
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| <b>Product Overview</b>        | Creative Biomart's membrane proteins are prepared from a large variety of documented and compliant quality tissues, including normal and diseased tissues from human and other species.                                                                                                                                             |
| <b>Species</b>                 | Human                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>             | Tissue membrane protein is prepared from whole tissue homogenates and presents a consistent pattern on SDS-PAGE analysis. The protein is stored in a buffer with protease inhibitor cocktail.                                                                                                                                       |
| <b>Concentration</b>           | 2 mg/ml                                                                                                                                                                                                                                                                                                                             |
| <b>Components</b>              | All components may be considered bio-hazardous and may contain unidentified contagious material.                                                                                                                                                                                                                                    |
| <b>Shipping</b>                | Dry Ice                                                                                                                                                                                                                                                                                                                             |
| <b>Quality control Testing</b> | 1. Protein lysate is verified on SDS-PAGE analysis as a consistent pattern. 2. Protein lysate is positively confirmed 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. |
| <b>Safety Testing</b>          | Effects of Overexposure: N/A Respiratory Protection: Wear masks while handling protein sample. Ventilation: General ventilation. Fume hoods should maintain a minimum face velocity of 100 lfm. Protective Glove: General lab safe impermeable                                                                                      |

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gloves Eye Protection: Wear splash goggles or full-face shield. Keep eyewash station in working order. Handling and Storage: Wear appropriate protective clothing and avoid using sharp material such as needle, blade or broken glasses. Store in cold. Environment Protection: Treat all lab supplies that have contaminated with protein product with 2% bleach for 30 minutes, then autoclave for reusing or through away as biohazards.

**Storage Buffer**

HEPES, pH 7.9, MgCl<sub>2</sub>, KCl, EDTA, Sucrose, Glycerol, Detergent and a cocktail of protease inhibitors

**Storage Instruction**

See User's Manual for storage information. Handling and use as infectious material. Work under fume hood. Protect workers and environment. Store product in a safe place. Avoid unauthorized access.

**Applications**

Western Blot (10 µg to 20 µg per lane is recommended for a mini gel). Immunoprecipitation, Electrophoresis, Enzymatic activity analysis, Protein-protein interaction, tissue specific expression.

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