

# Human Brain Cytoplasmic Lysate

Cat. No. Brain-39H Lot. No. (See product label)

## SPECIFICATION

**Species** Human

**Source** Human Brain

**Concentration** 2 mg/mL or better

**Tissue Type** Brain

**Shipping** Dry ice

**Preparation method** Human brain tissue cytoplasmic protein lysate was prepared by isolating the cytoplasmic protein from whole tissue homogenates using a proprietary technique. The human brain tissue was frozen in liquid nitrogen immediately after excision and then stored at -70°C. The cytoplasmic protein is provided in a buffer including HEPES (pH 7.9), MgCl<sub>2</sub>, KCl, EDTA, Sucrose, glycerol, and a cocktail of protease inhibitors. For quality control purposes, the isolated brain tissue cytoplasmic protein pattern on SDS-PAGE gel is shown to be consistent for each lot by visualization with coomassie blue staining. The isolated brain tissue cytoplasmic protein is then Western analyzed by GAPDH antibody, and the expression level is consistent with each lot.

**Diagnosis** Normal

**Storage Buffer** HEPES pH 7.9, MgCl<sub>2</sub>, KCl, EDTA, Sucrose, Glycerol, Sodium deoxycholate, and NP-40.

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**Storage Instruction**

Store at 2-8°C for continuous use. For extended storage, freeze working aliquots at -70°C. Repeated freezing and thawing is not recommended. Under proper storage conditions the shelf life is half a year from the date of receipt.

**Applications**

Brain cytoplasmic protein lysate is for use in Western blotting, 10 µg to 20 µg per lane is recommended for mini gel.

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