

Human Heart Cytoplasmic Lysate

Cat. No. Heart-204H Lot. No. (See product label)

SPECIFICATION

Species Human

Source Human Heart

Concentration 2 mg/mL or better

Tissue Type Heart

Shipping Dry ice

Preparation method Human heart tissue cytoplasmic protein lysate was prepared by isolating the cytoplasmic protein from whole tissue homogenates using a proprietary technique. The human heart 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), MgCl₂, KCl, EDTA, Sucrose, glycerol, and a cocktail of protease inhibitors. For quality control purposes, the isolated heart tissue cytoplasmic protein pattern on SDS-PAGE gel is shown to be consistent for each lot by visualization with coomassie blue staining. The isolated heart 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, MgCl₂, 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

Heart 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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