

MATERIAL DATA SHEET

Human Protein Fraction II

Cat. # F-370

Protein fraction from a cell extract that binds to an anion exchange resin. Essentially ubiquitin-free and ATP-free, FII contains E1, most E2s, some E3s, UCHs, and the proteasome (20S and 26S).

Product Information

Quantity: 1 mg | 5 mg

Source: Human cervical epithelial carcinoma cell line, HeLa-derived

Stock: Supplied as a solution in HEPES.

Use & Storage

Use: HeLa Protein Fraction II can be used to demonstrate Ubiquitin- and ATP-dependent substrate degradation or conjugation. Reaction conditions will need to be optimized for each specific application. We recommend an initial HeLa Protein Fraction II concentration of 0.5-4 mg/mL. Additionally, we recommend the inclusion of an isopeptidase inhibitor and a proteasome inhibitor when investigating substrate conjugation.

Storage: **Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**

- 6 months from date of receipt, -70 °C as supplied.
- 3 months, -70 °C under sterile conditions after opening.

Literature

References:

1. Hersko A. *et al.* (1982) J. Biol. Chem. **258**:8206-8214

For research use only. Not for use in humans.