

Lot # XXXXX

BostonBiochem

MATERIAL DATA SHEET

Fraction II (FII), *HeLa* 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: X mg

Stock: X mg/ml in 25 mM HEPES pH 7.6
Actual protein concentration will vary with specific Lot #

Use & Storage

Use: Ideal for demonstrating ubiquitin- and ATP-dependent degradation/conjugation of radio-labeled or immuno-detectable substrates. Isopeptidase inhibitor (**U-201**) and a proteasome inhibitor are highly recommended for the efficient accumulation of ubiquitin-protein conjugates. A typical assay concentration for FII is 0.5-4 mg/ml.

Storage: Store at -80°C. For best results, aliquot and freeze after first set of experiments to avoid multiple freeze/thaw cycles.

Literature

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

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