

---

**MATERIAL DATA SHEET**

---

**Fraction I (FI), HeLa****Cat. # F-375**

Protein fraction of a cell extract that does not bind to anion exchange resin. Contains ubiquitin and fraction I E2 and E3s enzymes. FI is essentially free of ATP.

**Product Information****Quantity:** X mg**Stock:** X mg/ml in 50 mM HEPES pH 8.0.  
Actual protein concentration will vary with specific Lot #.**Use & Storage**

**Use:** Ideal for demonstrating if FI enzymes are critical for degradation of *in vitro* substrates as well as *in vitro* conjugation activity. Isopeptidase inhibitor (**U-201**) and a proteasome inhibitor are highly recommended for the efficient accumulation of ubiquitin-protein conjugates. May require FII (**F-370**) for activity in the presence of proteasome and isopeptidase inhibitors. A typical assay concentration for FI is 0.5-4 mg/ml.

[Note: FI may have a cloudy appearance. This is normal.]

**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

*For Laboratory Research Use Only, Not For Use in Humans*