



## Uncoupling protein 3 (UCP3)

**Catalog No.** PY-20062

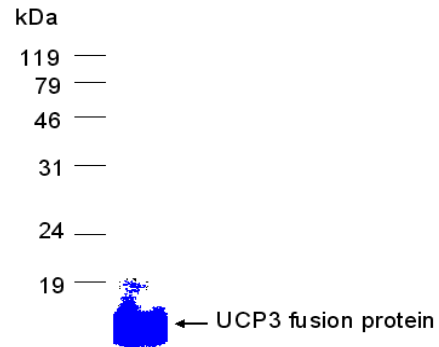
**Scale:** 1 mg

**Form:** lyophilized protein

### Target description

The protein, known as Uncoupling Protein 3 (UCP3), is a recently discovered member of a group of proteins involved in energy metabolism within intracellular organelles known as mitochondria, the engine rooms of the cell. It is through this metabolism that energy taken into the body as food is coupled to processes that drive the vital functions of the body. Excess energy is stored as fat, unless it can be burnt off without being coupled to these processes. Uncoupling is rather like depressing both the accelerator and clutch in a car, so that fuel is burnt without producing movement.

### SDS PAGE analysis (Commassie blue staining)



### Products

**E. coli derived UCP3 (aa. 181-214) fusion protein with His tag**

### Comments

**Protein ID : GI2497983**

**Fusion tag : 4kDa (His-tag)**

**Purity : > 90%**

**Fusion protein size : 10 kDa**

### Storage

Redissolve the powder with 1ml sterile water will restore to the original concentration 1mg/ml. For long-term storage at -20°C. Aliquot to avoid repeated freezing and thawing.

### Application

Dilute with 1XPBS for Western blot, ELISA test antigen, Immunogen