



# Recombinant Protein Technical Manual

## Recombinant Human HSF2 Protein (His Tag)

RPES0317

### Product Data:

**Product SKU:** RPES0317

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** Q03933

### Protein Information:

**Molecular Mass:** 15.9 kDa

**AP Molecular Mass:** 26 kDa

**Tag:** N-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 1mM DTT, pH 7.2.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Heat Shock Factor Protein 2; HSF 2; Heat Shock Transcription Factor 2; HSTF 2; HSF2; HSTF2

## Immunogen Information:

**Sequence:** Ser411-Ser536

## Background:

Heat Shock Factor Protein 2 (HSF2) belongs to the HSF family of transcription factors that bind specifically to the heat-shock promoter element and activate transcription. In higher eukaryotes, HSF is unable to bind to the HSE unless the cells are heat shocked. HSF2 is widely expressed in many cells and tissues. HSF2 is located on Cytoplasmic during normal growth. But when it is activated, HSF2 moves to the nucleus.