



# Recombinant Protein Technical Manual

## Recombinant Human ASF1A Protein (His&T7 Tag)

RPES0825

### Product Data:

**Product SKU:** RPES0825

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** Q9Y294

### Protein Information:

**Molecular Mass:** 25.4 kDa

**AP Molecular Mass:** 22 kDa

**Tag:** C-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 TrisHCl, 1mM DTT, 150mM NaCl, pH 8.0.

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

**Application:**

**Synonyms:** Histone Chaperone ASF1A; Anti-Silencing Function Protein 1 Homolog A; hAsf1; hAsf1a; CCG1-Interacting Factor A; CIA; hCIA; ASF1A

## Immunogen Information:

**Sequence:** Met 1-Met204

## Background:

Human Histone Chaperone ASF1A (ASF1A) belongs to the H3/H4 family of histone chaperone proteins. ASF1A is ubiquitously expressed in many cells and tissues, interacting with histones H3 and H4. ASF1A cooperates with Chromatin Assembly Factor 1 to promote replication-dependent chromatin assembly and with HIRA to promote replication-independent chromatin assembly. In addition, ASF1A is necessary for the formation of senescence-associated heterochromatin foci (SAHF) and efficient senescence-associated cell cycle exit.