

Recombinant Human ASF1A Protein (His&T7 Tag)

Catalog Number: PKSH032549

Note: Centrifuge before opening to ensure complete recovery of vial contents.

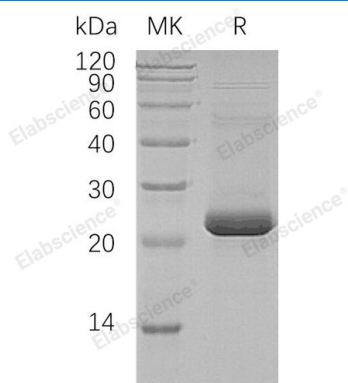
Description

Species	Human
Source	E.coli-derived Human ASF1A protein Met 1-Met204, with an N-terminal T7 & C-terminal His
Calculated MW	25.4 kDa
Observed MW	22 kDa
Accession	Q9Y294
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, 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 Tris-HCl, 1mM DTT, 150mM NaCl, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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.

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