

HUMAN UPA PROTEIN, HIS TAG

Cat.#: 11395

Product Name: Human UPA Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: ATF;BDPLT5;QPD;u-PA;UPA;URK

Target: UPA

UNIPROT ID: P00749

Description: Recombinant human UPA protein with C-terminal 6xHis tag

Background: This gene encodes a secreted serine protease that converts plasminogen to plasmin. The encoded preproprotein is proteolytically processed to generate A and B polypeptide chains. These chains associate via a single disulfide bond to form the catalytically inactive high molecular weight urokinase-type plasminogen activator (HMW-uPA). HMW-uPA can be further processed into the catalytically active low molecular weight urokinase-type plasminogen activator (LMW-uPA). This low molecular weight form does not bind to the urokinase-type plasminogen activator receptor. Mutations in this gene may be associated with Quebec platelet disorder and late-onset Alzheimer's disease. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Jan 2016]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 47.2 kDa after removal of the signal peptide. The apparent molecular mass of UPA-His is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: UPA(Ser21-Leu431) 6×His tag

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

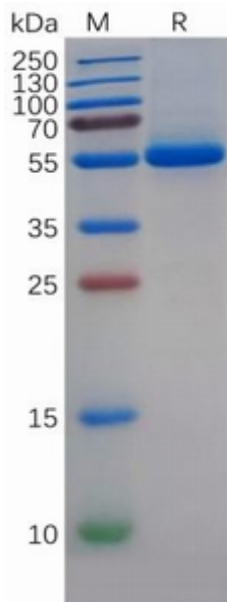


Figure 1. Human UPA Protein, His Tag on SDS-PAGE under reducing condition.