

## 32-17662: Recombinant Human UPA Protein, His Tag

**Uniprot ID :** P00749

**Alternative Name :** ATF, BDPLT5, QPD, u-PA, UPA, URK

### Description

Molecular Characterization: UPA<sup>?</sup>Ser21-Leu431<sup>?</sup>+6<sup>?</sup>—His tag

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.

Description: Recombinant human UPA protein with C-terminal 6<sup>?</sup>—His tag

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]

### Product Info

**Amount :** 100 µg / 50 µg

**Content :** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

**Storage condition :** 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.