Human TFPI2 Protein (His Tag)

Catalog Number: 10545-H08H

General Information

Gene Name Synonym:
PP5; REF1; TFPI-2

Protein Construction:
A DNA sequence encoding the human TFPI2 (NP_006519.1) precursor (Met 1-Lys 213) was expressed with a C-terminal polyhistidine tag.

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Bio Activity:

Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH2 (Anaspec, Catalog#27114). The IC50 value is < 2 nM, as measured in 100μL reaction mixture containing 1.25 ng trypsin (Sigma, Catalog#T4799), 10 μM substrate, 50 mM Tris, 0.15M NaCl , 0.05% Brij-35, pH 7.5.

Endotoxin:
< 1.0 EU per μg of the protein as determined by the LAL method

Stability:
Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Asp 23

Molecular Mass:
The secreted recombinant humanTFPI2 comprises 202 amino acids and predicts a molecular mass of 23.2 kDa. It migrates as an approximately 32-34 kDa band in SDS-PAGE under reducing conditions.

Formulation:
Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:
Store it under sterile conditions at -20 °C to -80 °C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:
Detailed reconstitution instructions are sent along with the products.

References