

# Human THSD7A Protein

Cat. No. THS-HM17A



## Description

<b>Source</b>	Recombinant Human THSD7A Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Ala48–Trp1607.
<b>Accession</b>	Q9UPZ6
<b>Molecular Weight</b>	The protein has a predicted MW of 176.22 kDa. Due to glycosylation, the protein migrates to 180-240 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Thrombospondin type I domain-containing 7A (THSD7A), is a specific autoantigen of adult idiopathic membranous nephropathy (IMN), whose circulating antibody (THSD7A-AB) represents a promising biomarker for diagnosis of IMN.

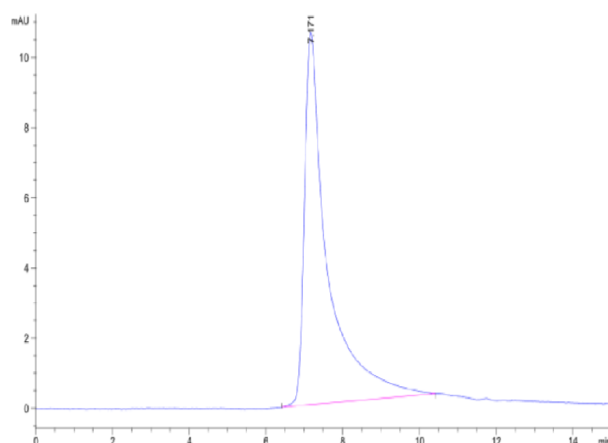
## Assay Data

### Tris-Bis PAGE



Human THSD7A on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Human THSD7A is greater than 95% as determined by SEC-HPLC.