Human THSD7A Protein

Cat. No. THS-HM17A

Description

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

Formulation and Storage

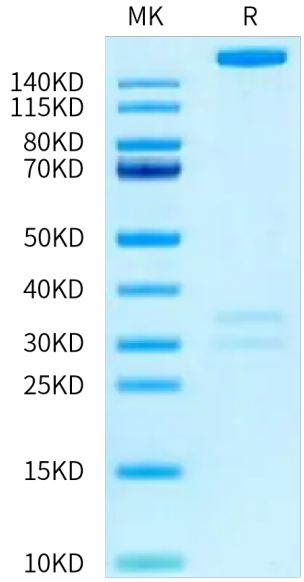
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-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

Bis-Tris PAGE



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

SEC-HPLC

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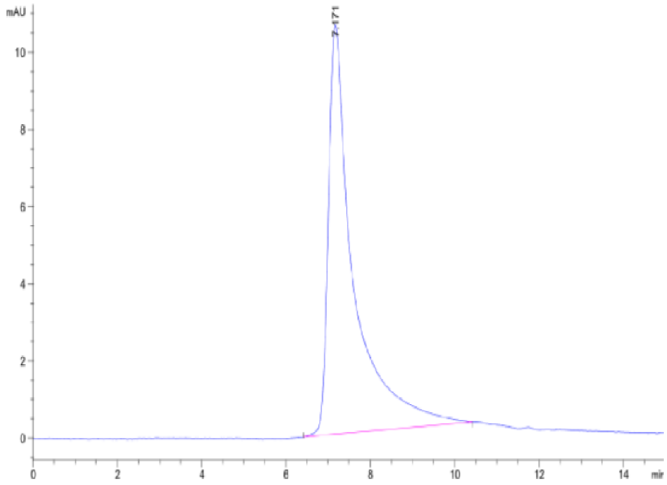

The purity of Human THSD7A is greater than 95% as determined by SEC-HPLC.