

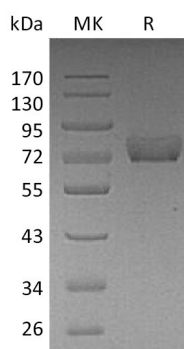
**Product Name: Recombinant Human Thrombomodulin (C-6His)**  
**Catalog #: PHH1634**



## Summary

<b>Name</b>	Thrombomodulin
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Thrombomodulin is produced by our Mammalian expression system and the target gene encoding Ala19-Ser515 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	P07204
<b>Host</b>	Human Cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	52.9 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	

## SDS-PAGE image



## Background

<b>Alternative Names</b>	Thrombomodulin; THBD; TM; Fetomodulin; CD141; THRM
<b>Background</b>	Thrombomodulin is a specific endothelial cell receptor that forms a 1:1

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stoichiometric complex with thrombin. This complex is responsible for the conversion of protein C to the activated protein C (protein Ca). Human Thrombomodulin/THBD predicts a signal peptide and a mature chain that consists of following domains: C-type lectin, EGF-like, transmembrane and cytoplasmic. Predominantly synthesized by vascular endothelial cells, THBD inhibits coagulation and fibrinolysis. THBD gene polymorphisms are associated with human disease and THBD plays a role in thrombosis, stroke, arteriosclerosis, and cancer. For example, increased serum levels of THBD, due to protease cleavage, have been associated with smoking, cardiac surgery, atherosclerosis, liver cirrhosis, diabetes mellitus, cerebral and myocardial infarction, and multiple sclerosis.

### **Note**

For Research Use Only , Not for Diagnostic Use.