

Recombinant Thrombomodulin-(his-TEV)N, human



Catalog T006
Lot 2802
0.1 mg

Life Sciences Incubator
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Product description

This glycoprotein is an endothelial-specific type I membrane receptor that binds thrombin in a 1:1 stoichiometry. This binding results in the activation of protein C, which degrades coagulation factors Va and VIIIa and reduces the amount of thrombin generated. Mutations in this gene are a cause of thromboembolic disease, also known as inherited thrombophilia.

Reference sequences: NM_000361
NP_000352
Swiss-prot P07204

Alternative names: CD141
fetomodulin

Gene ID: 7056

The mature protein of human thrombomodulin, residues 19 - 516 was over-expressed in HEK293EBNA1 cells and purified to homogeneity. The protein has 5 potential N-linked glycosylation sites and 2 potential O-linked glycosylation sites. The protein contains a N-terminal TEV protease cleavable hexahistidine tag. The calculated molecular weight without glycosylation of recombinant human thrombomodulin-(his-TEV)C, residues 19 - 516 including hexahistidine tag, is 54.9 kDa. Each vial contains 100 µg Thrombomodulin-(his-TEV)N at 1.84 mg/ml.

Storage and stability

Thrombomodulin-(his-TEV)N should be stored at - 80 °C (stable for at least 1 year). The buffer is PBS without preservative. After thawing it should be stored in appropriate small aliquots at - 20 °C or - 80 °C (stable for at least 2 months).

Protein sequence

marplctlllmatlagalagshhhhhhdypdssenyfqqgsapaepqpg
gsqcvehdcfalyppgpatflnasqicdglrghlmtvrssvaadvlsllngdg
gvgrrrlwiglqlppgcpdprlgplrgfqwvtgdnntsysrwarldlngapl
cgplcvavsaaeatvpsepiweeqqcevkdgflcefhfpatcrplavepg
aaaaavcitygtptfaargadfqalpvgsaavaplgllmctappgavqgh
wareapgawdcsvenggcchacnaipgaprcqcpagaalqadgrsctas
atqscndlcehfcvnpndqpgsyscmctgyrllaadqhrcedvddcilep
spcpqrcvntqggfchcypnydlvdgecvpvdpcfranceyqcqpln
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dggdsgsgepppsptpgstltpavglvhsg*

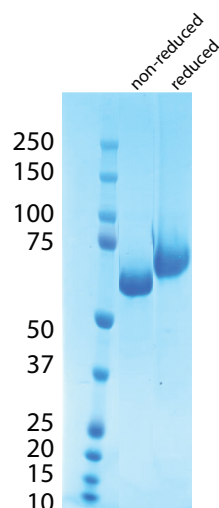


Figure 1
NuPage gel of T006
(non)reducing conditions

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Version 01/2019

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