Recombinant Rat Thbd Protein, His-tagged

Cat. No. Thbd-425R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Thbd Protein (Ile17-Gly518) with N-His tag was expressed in 293F.
Species	Rat
Source	HEK293
ProteinLength	Ile17-Gly518
Description	Predicted to enable calcium ion binding activity and transmembrane signaling receptor activity. Involved in response to X-ray; response to cAMP; and response to lipopolysaccharide. Located in apicolateral plasma membrane; extracellular space; and vacuolar membrane. Used to study acute kidney failure. Biomarker of adult respiratory distress syndrome; hypertension; ischemia; and type 2 diabetes mellitus. Human ortholog(s) of this gene implicated in several diseases, including acute kidney failure; atypical hemolytic-uremic syndrome; cerebrovascular disease (multiple); rheumatoid arthritis; and thrombophilia (multiple). Orthologous to human THBD (thrombomodulin).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 55.4 kDa Accurate Molecular Mass: 100 kDa
Purity	> 90%

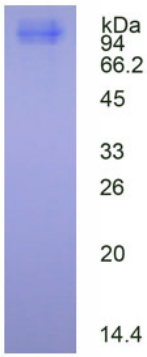
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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Thbd thrombomodulin [Rattus norvegicus (Norway rat)]
Official Symbol	Thbd
Synonyms	THBD; thrombomodulin; TM; THRM; AHUS6; BDCA3; CD141; BDCA-3; THPH12; thrombomodulin; CD141 antigen; fetomodulin
Gene ID	83580
mRNA Refseq	NM_031771
Protein Refseq	NP_113959
UniProt ID	O35370

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