

## Native Human F2R Protein

Cat. No. F2R-27H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Native human F2R protein without tag was isolated from human blood.
<b>Species</b>	Human
<b>Source</b>	Human Blood
<b>Description</b>	<p>Thrombin is the last enzyme in the clotting cascade functioning to cleave fibrinogen to fibrin and potentiates the procoagulation process by activating factors V, VIII, XI, and XIII. Conversely, thrombin aids the anticoagulant process by activating protein C. Activated protein C inhibits activated factors V and VIII ultimately down-regulating further thrombin production. Thrombin is often used as a potent platelet activator in vitro. Platelet responses to thrombin are mediated through protease-activated receptors (PARs). Thrombin-mediated signaling regulates a diverse range of metabolic processes including activation of phospholipases in platelets, endothelial cells, and cardiac myocytes.</p>
<b>Molecular Mass</b>	38 kDa
<b>Stability</b>	≥ 1 year
<b>Storage</b>	Store it at -80 centigrade
<b>Storage Buffer</b>	5 mM sodium citrate, pH 6.5, containing 0.01% PEG and 20 mM sodium chloride

### GENE INFORMATION

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<b>Gene Name</b>	F2R coagulation factor II thrombin receptor [ Homo sapiens (human) ]
<b>Official Symbol</b>	F2R
<b>Synonyms</b>	F2R; coagulation factor II thrombin receptor; TR; HTR; CF2R; PAR1; PAR-1; proteinase-activated receptor 1; protease-activated receptor 1
<b>Gene ID</b>	2149
<b>mRNA Refseq</b>	NM_001311313
<b>Protein Refseq</b>	NP_001298242
<b>MIM</b>	187930
<b>UniProt ID</b>	P25116

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