Recombinant Rat F2r Protein, His-tagged

Cat. No. F2r-2176R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat F2r Protein (Ser46-Thr109) with a N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ser46-Thr109
Description	Predicted to enable several functions, including G-protein alpha-subunit binding activity; G-protein beta-subunit binding activity; and thrombin-activated receptor activity. Involved in several processes, including establishment of synaptic specificity at neuromuscular junction; positive regulation of cytosolic calcium ion concentration; and protein kinase C-activating G protein-coupled receptor signaling pathway. Located in neuromuscular junction and postsynaptic membrane. Used to study hypertension. Biomarker of brain edema and brain ischemia. Orthologous to human F2R (coagulation factor II thrombin receptor).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 97%

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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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	F2r coagulation factor II (thrombin) receptor [Rattus norvegicus (Norway rat)]
Official Symbol	F2r
Synonyms	F2r; coagulation factor II (thrombin) receptor; Par1; TRGPC; proteinase-activated receptor 1 PAR-1 Thrombin receptor coagulation factor II receptor protease-activated receptor 1
Gene ID	25439
mRNA Refseq	NM_012950

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Protein Refseq	NP_037082
UniProt ID	P26824

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