

Recombinant Full Length Human Proteinase-Activated Receptor 1(F2R) Protein, His tagged

Cat. No. RFL16109HF Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant Full Length Human Proteinase-Activated Receptor 1(F2R) Protein with His tag was expressed in E. coli.

Species

Human

Source

E.coli

ProteinLength

42-425 aa

Description

Coagulation factor II receptor is a 7-transmembrane receptor involved in the regulation of thrombotic response. Proteolytic cleavage leads to the activation of the receptor. F2R is a G-protein coupled receptor family member. Alternative splicing results in multiple transcript variants.

Molecular Mass

46 kDa

AASequence

SFLLRNPNDKYEPFWEDEEKNESGLTEYRLVSIKSSPLQKQLPAFISEDASGYLTS
 SWLTLFVPSVYTGVFVSLPLNIMAIVVFILKMKVKKPAVVYMLHLATADVLFVSVLPF
 KISYYFSGSDWQFGSELCRFVTAIFYCNMYASILLMTVISIDRFLAVVYPMQSLSWR
 TLGRASFTCLAIWALAIAGVVPLLLKEQTIQVPGLNITTCHDVLNETLLEGYYAYYFSA
 FSAVFFFVPLIISTVCYVSIIRCLSSAVANRSKKSRAFLSAAVFCIFIICFGPTNVLLIA
 HYSFLSHTSTTEAAYFAYLLCVCVSSISCCIDPLIYYASSECQRYVYSILCCKESSDP
 SSYNSSGQLMASKMDTCSSNLNNSIYKLLT

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Purity	>95% estimated by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from PBS, 0.05% FOS12, 6% Trehalose, pH7.4 The volume before lyophilization is 284 µl/vial.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20/-80 centigrade. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name	F2R coagulation factor II thrombin receptor [Homo sapiens (human)]
Official Symbol	F2R
Synonyms	F2R; coagulation factor II thrombin receptor; TR; HTR; CF2R; PAR1; PAR-1; proteinase-activated receptor 1; protease-activated receptor 1
Gene ID	2149
mRNA Refseq	NM_001992
Protein Refseq	NP_001983
MIM	187930

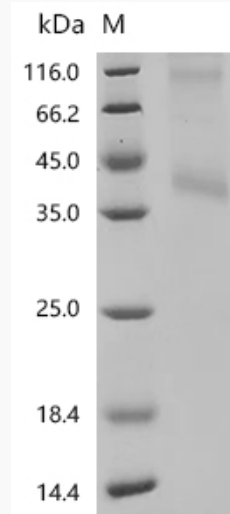
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UniProt ID

P25116

WB

Observed band size: Monomer: 42 kDa Dimer: 110 kDa

It is speculated that the protein forms a dimeric structure. (Tris-Glycine gel)
Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation
gel. Boiling SDS-treated samples may result in membrane protein aggregation.
Incubation at 37 ° C for 10 min is an effective alternative.

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