Recombinant Mouse F2rl1 Protein, His&GST-tagged

Cat. No. F2rl1-2178M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse F2rl1 Protein (Val311-Tyr399) with a N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Val311-Tyr399
Description	Predicted to enable G protein-coupled receptor activity; G-protein alpha-subunit binding activity; and G-protein beta-subunit binding activity. Involved in positive regulation of glomerular filtration. Acts upstream of or within with a positive effect on vasodilation. Predicted to be located in early endosome; plasma membrane; and pseudopodium. Predicted to be integral component of plasma membrane. Biomarker of lung disease. Human ortholog(s) of this gene implicated in asthma; chronic obstructive pulmonary disease; and respiratory allergy. Orthologous to human F2RL1 (F2R like trypsin receptor 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 40 kDa Accurate Molecular Mass: 42 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).

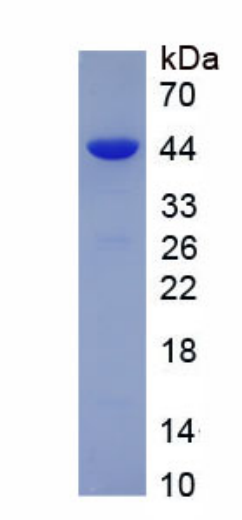
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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade 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 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	F2rl1 F2R like trypsin receptor 1 [Rattus norvegicus (Norway rat)]
Official Symbol	F2rl1
Synonyms	F2rl1; F2R like trypsin receptor 1; Par2; Par-2; proteinase-activated receptor 2 Proteinase-activated receptor-2, G protein-coupled receptor 11 coagulation factor II (thrombin) receptor-like 1 coagulation factor II receptor-like 1 thrombin receptor-like 1
Gene ID	116677

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mRNA Refseq	NM_053897
Protein Refseq	NP_446349
UniProt ID	Q63645
	

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