

Recombinant Rat Pecam1 Protein, His-tagged

Cat. No. Pecam1-1179R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Pecam1 Protein (Gln18-Lys589) with His tag was expressed in 293F.
Species	Rat
Source	HEK293
ProteinLength	Gln18-Lys589
Description	Enables protein phosphatase binding activity. Involved in several processes, including cellular response to interferon-gamma; negative regulation of GTPase activity; and negative regulation of actin filament polymerization. Located in cell surface and ruffle. Used to study pulmonary hypertension. Biomarker of bacterial pneumonia; orchitis; and osteoarthritis. Human ortholog(s) of this gene implicated in coronary artery disease (multiple); lung non-small cell carcinoma; neuroblastoma; and psoriatic arthritis. Orthologous to human PECAM1 (platelet and endothelial cell adhesion molecule 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 66.2 kDa; Accurate Molecular Mass: 120 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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 ddH2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Pecam1 platelet/endothelial cell adhesion molecule 1 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Pecam1
Synonyms	PECAM1; platelet/endothelial cell adhesion molecule 1; platelet endothelial cell adhesion molecule; PECAM-1; CD31; Pecam; MGC124998;
Gene ID	29583
mRNA Refseq	NM_031591
Protein Refseq	NP_113779
UniProt ID	Q3SWT0

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