

Recombinant Human CD109 protein, His & T7-tagged

Cat. No. CD109-6984H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD109 aa. (Ala1146~Gln1390 (Accession # Q6YHK3)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala1146~Gln1390
Description	This gene encodes a glycosyl phosphatidylinositol (GPI)-linked glycoprotein that localizes to the surface of platelets, activated T-cells, and endothelial cells. The protein binds to and negatively regulates signalling by transforming growth factor beta (TGF-beta). Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.8kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.2.

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Applications	SDS-PAGE; WB; ELISA; IP
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	CD109 CD109 molecule [Homo sapiens (human)]
Official Symbol	CD109
Synonyms	CD109; CD109 molecule; p180; r150; CPAMD7; CD109 antigen; 150 kDa TGF-beta-1-binding protein; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 7; Gov platelet alloantigens; activated T-cell marker CD109; platelet-specific Gov antigen
Gene ID	135228
mRNA Refseq	NM_001159587.2
Protein Refseq	NP_001153059.1

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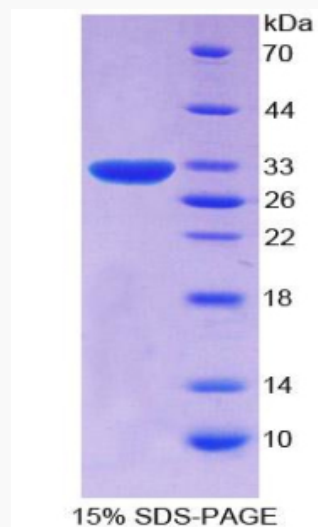
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UniProt ID

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SDS-PAGE

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