

Recombinant Human CD109 Protein, C-His-tagged

Cat. No. CD109-018H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD109 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	CD109 is a glycosylphosphatidylinositol (GPI)-linked glycoprotein that belongs to the alpha2-macroglobulin family of thioester containing proteins. CD109 is associated with TGF-beta receptor I (TbRI) and inhibits TGF-beta signaling. Cleavage of CD109 at its Furin cleavage site results in the release of its large amino-terminal domain, which then binds to the TGF-beta receptor I to inhibit TGF-beta signaling. CD109 is expressed on a subset of CD34+ bone marrow cells and mesenchymal stem cells, activated platelets, activated T cells, endothelial cells, and a wide variety of tumors. Elevated CD109 expression has been considered a diagnostic/prognostic marker for several types of cancers.
Molecular Mass	~36 kDa
AA Sequence	LSSVGSPKAKEALNMLTWRAEQEGGMQFWVSSESKLSDSWQPRSLDIEVAAYALL SHFLQFQTSEGIPIMRWLSRQRNSLGGFASTQDTTVALKALSEFAALMNTERTNIQV TVTGPSSPSPVKFLIDTHNRLLLQTAELAVVQPTAVNISANGFGFAICQLNVVYNVKA SGSSRRRRSIQNQEAFDLDAVKENKDDLNVHVDLNVCTSFSGPGRSGMALMEVNL LSGFMVPSEAISLSETVKKVEYDHGKLNLYLDSVNETQFCVNIPAVRNFKVSNTQDA SVSIVDYYPEPRRQAVRSYNSEVKLSSCDLCSVDVQGCRPCEDGA

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Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4
GENE INFORMATION	
Gene Name	CD109 CD109 molecule [Homo sapiens (human)]
Official Symbol	CD109
Synonyms	CD109; CD109 molecule; CD109 antigen (Gov platelet alloantigens); CD109 antigen; CPAMD7; DKFZp762L1111; FLJ38569; p180; r150; Gov platelet alloantigens; activated T-cell marker CD109; platelet-specific Gov antigen; 150 kDa TGF-beta-1-binding protein; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 7; RP11-525G3.1; FLJ41966;
Gene ID	135228
mRNA Refseq	NM_001159587
Protein Refseq	NP_001153059
MIM	608859

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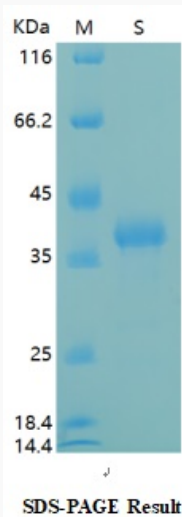
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UniProt ID

Q6YHK3

SDS-PAGE



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