

## Datasheet for ABIN7317388 CD82 Protein (CD82) (His tag)



Overview Quantity: 50 µg CD82 Target: Human Origin: Source: HEK-293 Cells Protein Type: Recombinant Purification tag / Conjugate: This CD82 protein is labelled with His tag. **Product Details** Purpose: Recombinant Human CD82/KAI-1 Protein (His Tag) Sequence: Gly 111-Leu 228 Characteristics: A DNA sequence encoding the second extracellular domain of human CD82 (P27701-1) (Gly 111-Leu 228) was fused with a polyhistidine tag at the C-terminus and a signal peptide at the Nterminus. Purity: > 90 % as determined by reducing SDS-PAGE. Endotoxin Level: < 1.0 EU per  $\mu$ g as determined by the LAL method. **Target Details** 

Target:	CD82
Alternative Name:	CD82/KAI-1 (CD82 Products)
Background:	Background: CD82, also known as KAI-1, structurally belongs to tetraspanin family while
	categorised as metastasis suppressor gene on functional grounds. KAI1/CD82 is localized on

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/2 | Product datasheet for ABIN7317388 | 07/25/2024 | Copyright antibodies-online. All rights reserved.

	cell membrane and form interactions with other tetraspanins, integrins and chemokines which
	are respectively responsible for cell migration, adhesion and signalling. Downregulation of CD82
	expression is associated with the advanced stages of many human cancers and correlates with
	the acquisition of metastatic potential. Recent studies suggest that complex mechanisms
	underlie CD82 loss of function, including altered transcriptional regulation, splice variant
	production and post-translational protein modifications, and indicate a central role for CD82 in
	controlling metastasis as a 'molecular facilitator'. The loss of KAI1/CD82 expression in invasive
	and metastatic cancers is due to a complex, epigenetic mechanism that probably involves
	transcription factors such as NFkappaB, p53, and beta-catenin. A loss of KAI1 expression is
	also associated with the advanced stages of many human malignancies and results in the
	acquisition of invasive and metastatic capabilities by tumour cells. Thus, KAI1/CD82 is
	regarded as a wide-spectrum tumor metastasis suppressor.
	Synonym: 4F9,C33,GR15,IA4,KAI-1,KAI1,R2,SAR2,ST6,TSPAN27
Molecular Weight:	15 kDa
Pathways:	p53 Signaling
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.