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Datasheet for ABIN2181592 PCSK9 Protein (AA 31-691) (His tag)





Overview

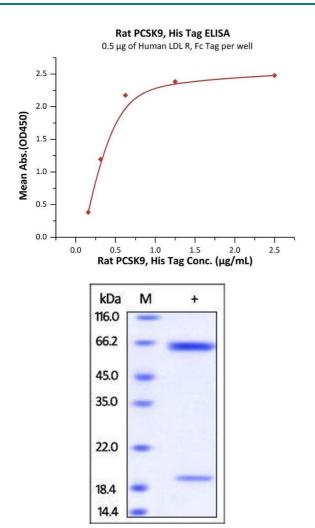
Quantity:	50 µg
Target:	PCSK9
Protein Characteristics:	AA 31-691
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PCSK9 protein is labelled with His tag.

Product Details

Sequence:	AA 31-691
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of
	73.2 kDa. The protein migrates as 22 and 66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by reduced SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per μ g by the LAL method.
Target Details	
Target:	PCSK9

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Target Details		
Alternative Name:	PCSK9 (PCSK9 Products)	
Background:	Proprotein convertase subtilisin/kexin type 9 (PCSK9), is an enzyme which in humans is encoded by the PCSK9 gene. This gene encodes a proprotein convertase belonging to the	
	proteinase K subfamily of the secretory subtilase family. This protein plays a major regulatory role in cholesterol homeostasis. PCSK9 binds to the epidermal growth factor-like repeat A (EGF- A) domain of the low-density lipoprotein receptor (LDLR), inducing LDLR degradation. PCSK9 may also have a role in the differentiation of cortical neurons. Mutations in this gene have been	
	associated with a rare form of autosomal dominant familial hypercholesterolemia (HCHOLA3).	
Molecular Weight:	13.9 kDa and 59.3 kDa	
NCBI Accession:	NP_954862	
Application Details		
Restrictions:	For Research Use only	
Handling		
Format:	Lyophilized	
Buffer:	50 mM Tris, 150 mM NaCl, pH 7.5	
Handling Advice:	Please avoid repeated freeze-thaw cycles.	
Storage:	-20 °C	
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).	



ELISA

Image 1. Immobilized Human LDL R, Fc Tag (ABIN4949128,ABIN4949129) at 5 µg/mL (100 µL/well) can bind Rat PCSK9, His Tag (ABIN2181592,ABIN2181591) with a linear range of 0.156-0.625 µg/mL (QC tested).

SDS-PAGE

Image 2. Rat PCSK9, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 97%.

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