

Product datasheet for **TP727006**

PCSK9 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Biotinylated Human PCSK9 (C-Avi)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gln31-Gln692(Val474Ile,Gly670Glu)
Tag:	C-AVI
Buffer:	Supplied as a 0.2 um filtered solution of 50mM HEPES, 150mM NaCl, 20% Glycerol, pH 7.4.
Note:	Biotinylated Recombinant Human Proprotein Convertase Subtilisin/Kexin Type 9 is produced by our Mammalian expression system and the target gene encoding Gln31-Gln692(Val474Ile,Gly670Glu) is expressed with a AVI tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	255738
UniProt ID:	Q8NBP7
Summary:	Human Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) is a secretory subtilase belonging to the proteinase K subfamily. PCSK9 is synthesized as a soluble zymogen that undergoes autocatalytic intramolecular processing in the ER , the pro domain and mature chain secrete together through noncovalent interactions. PCSK9 binds with low-density lipoprotein receptor (LDLR) and plays a major regulatory role in cholesterol homeostasis. Inhibition of PCSK9 function by preventing PCSK9/LDLR interaction is currently being explored as a means of lowering cholesterol levels. PCSK9 also binds to apolipoprotein receptor 2 (ApoER2), and play a role in the neural development.



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